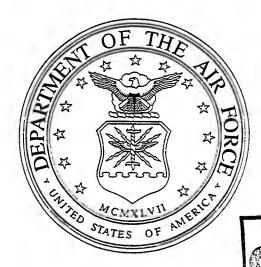
# DEPARTMENT OF THE AIR FORCE



# FY 1996 BIENNIAL BUDGET ESTIMATES

Military Construction and Family Housing

Justification Data Submitted to Congress February 1995

19950223 119



INSIDE THE UNITED STATES
OUTSIDE THE UNITED STATES
VARIOUS WORLDWIDE FAMILY HOUSING

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### DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996

	PROJECT <u>AUTH</u>	AUTH FOR APPROP	<u>APPROP</u>
MILITARY CONSTRUCTION	(Sec 2301)	(Sec 2304)	
Inside the United States	406,390	406,390	406,390
Brooks ADAL Communications Facility(1)	233	233	0
Kelly Communications Facility <sup>(1)</sup>	353	353	0
Langley Alter ACC Headquarters Facility(1)	<b>2</b> 63	<b>2</b> 63	0
Travis Hazardous Waste Storage Facility(1)	600	600	0
Outside the United States	49,400	49,400	49,400
Planning and Design	10 USC 2807	30,835	30,835
Unspecified Minor Construction	10 USC 2805	9,030	9,030
TOTAL MILITARY CONSTRUCTION	497,104	497,104	495,655
MILITARY FAMILY HOUSING	(Sec 2302/2303)	(Sec 2304)	
New Construction	154,900	154,900	154,900
Improvements	85,100	85,100	85,100
Planning and Design	9,000	9,000	9,000
Subtotal	249,000	249,000	249,000
Operations, Utilities, and Maintenance	733,500	733,500	733,500
Leasing Debt Payment <sup>(2)</sup>	115,700	115,700	115,700
Subtotal	849,200	849,200	849,200
TOTAL MILITARY FAMILY HOUSING	1,098,200	1,098,200	1,098,200
GRAND TOTAL AIR FORCE	1,595,304	1,595,304	1,593,855

<sup>(1)</sup> Project authorization and authorization for appropriation in the amount of \$1.449M is requested in FY 1996 for the following four projects: Brooks AFB ADAL Communications Facility; Kelly AFB Communications Facility; Langley AFB Alter ACC Headquarters Facility; and Travis AFB Hazardous Waste Storage Facility. Appropriation is not requested in FY 1996.

<sup>(2)</sup> Debt Payment cost of \$29,000 excluded due to rounding.

STATE/COUNTRY INSTALLATI	ON PROJECT	PROJECT <u>AUTH</u>		APPROP AMOUNT	
ALABAMA MAXWELL A	FB				
	CHILD DEVELOPMENT CENTER COMPLEX	R 3,700	3,700	3,700	38
	MAXWELL AFB TO	TAL: 3,700	<u>3,700</u>	<u>3,700</u>	
	ALABAMA TO	TAL: 3,700	<u>3,700</u>	<u>3,700</u> .	
ALASKA EJELSON AF	В	· ·			
	ALTER DORMITORY	3,850	3,850	3,850	42
	EIELSON AFB TO	TAL: 3,850	<u>3,850</u>	<u>3,850</u>	
ELMENDORI	FAFB				
	REPAIR AIRFIELD TAXIWAY	900	900	900	398
	MILSTAR COMMUNICATIONS (TERMINAL	GROUND 850	850	850	400
	VISITING OFFICERS QUARTER	7,350	7,350	7,350	46
	ELMENDORF AFB TO	TAL: 9,100	<u>9,100</u>	<u>9,100</u>	
TIN CITY LR	RS				
	ABOVEGROUND FUEL STORAG	GE TANKS 2,500	2,500	2,500	50
	TIN CITY LRRS TO	TAL: 2,500	2,500	2,500	
	<u>ALASKA TO</u>	TAL: 15,450	<u>15,450</u>	<u>15,450</u>	
ARIZONA DAVIS-MONT	HAN AFB				
	ALTER AIRCRAFT CORROSION CONTROL FACILITY	1,000	1,000	1,000	402
	DORMITORY	3,800	3,800	3,800	54
	DAVIS-MONTHAN AFB TO	TAL: 4,800	4,800	4,800	
LUKE AFB					
	DORMITORY	5,200	5,200	5,200	58
	LUKE AFB TO	TAL: 5,200	<u>5,200</u>	<u>5,200</u>	
	ARIZONA TO	TAL: 10,000	10,000	10,000	

STATE/COUNTRY   PROJECT   AUTH   APPROPE		
UPGRADE SANITARY SEWER SYSTEM 2,500 2,500  LITTLE ROCK AFB TOTAL: 2,500 2,500  ARKANSAS TOTAL: 2,500 2,500  ARKANSAS TOTAL: 2,500 2,500  CALIFORNIA BEALE AFB  LANDFILL CLOSURE 7,500 7,500  BEALE AFB TOTAL: 7,500 7,500  BEALE AFB TOTAL: 7,500 7,500  EDWARDS AFB  F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY  ADD TO AND ALTER ANECHOIC 11,100 11,100  CHAMBER 10,600 10,600  EDWARDS AFB TOTAL: 33,800 33,800  TRAVIS AFB  SQUADRON OPERATIONS/AIRCRAFT 7,400 7,400  MAINTENANCE UNIT FACILITY  HAZARDOUS WASTE STORAGE 600 600  FACILITY 6,400 6,400  DORMITORY 6,400 6,400  DORMITORY 6,400 6,400  TRAVIS AFB TOTAL: 27,300 27,300  VANDENBERG AFB  FIRE STATION 2,000 2,000  SLF1 - CHEMICAL TEST AND 4,000 4,000	APPROP AMOUNT P	AGE
LITTLE ROCK AFB TOTAL:   2,500   2,500     ARKANSAS TOTAL:   2,500   2,500     CALIFORNIA BEALE AFB     LANDFILL CLOSURE   7,500   7,500     BEALE AFB TOTAL:   7,500   7,500     BEALE AFB TOTAL:   7,500   7,500     EDWARDS AFB     F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY   12,100   12,100     ADD TO AND ALTER ANECHOIC   11,100   11,100     CHAMBER   10,600   10,600     EDWARDS AFB TOTAL:   33,800   33,800     TRAVIS AFB     SQUADRON OPERATIONS/AIRCRAFT   7,400   7,400     MAINTENANCE UNIT FACILITY   4,400   2,400     FACILITY   6,400   6,400     DORMITORY   6,400   6,400     DORMITORY   6,400   6,400     DORMITORY   6,400   6,400     DORMITORY   6,400   6,400     LEVEL OF THE STATION   2,000   2,000     VANDENBERG AFB   FIRE STATION   2,000   2,000     SLFI - CHEMICAL TEST AND   4,000   4,000		
CALIFORNIA BEALE AFB  LANDFILL CLOSURE 7,500 7,500  BEALE AFB TOTAL: 7,500 7,500  EDWARDS AFB  F-22 ADD TO AND ALTER PORTIONS AFB 12,100 12,100  ADD TO AND ALTER ANECHOIC 11,100 11,100  CHAMBER DORMITORY 10,600 10,600  EDWARDS AFB TOTAL: 33,800 33,800  TRAVIS AFB  SQUADRON OPERATIONS/AIRCRAFT 7,400 7,400  MAINTENANCE UNIT FACILITY 7,400 2,400  FACILITY HAZARDOUS WASTE STORAGE 600 600  FACILITY 6,400 6,400  DORMITORY 6,400 6,400  DORMITORY 6,400 6,400  VANDENBERG AFB  FIRE STATION 2,000 2,000  SLFI - CHEMICAL TEST AND 4,000 4,000	2,500 69	2
CALIFORNIA BEALE AFB  LANDFILL CLOSURE  7,500  REALE AFB TOTAL: 7,500  7,500  EDWARDS AFB  F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY ADD TO AND ALTER ANECHOIC CHAMBER  DORMITORY 10,600  EDWARDS AFB TOTAL: 33,800  TRAVIS AFB  SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY  KC-10 ADD TO FLIGHT SIMULATOR FACILITY  HAZARDOUS WASTE STORAGE DORMITORY  DORMITORY  TRAVIS AFB TOTAL: 2,400  6,400  6,400  TRAVIS AFB TOTAL: 27,300  TRAVIS AFB TOTAL: 27,300  VANDENBERG AFB FIRE STATION  SLFI - CHEMICAL TEST AND  4,000  4,000	<u>2,500</u>	
BEALE AFB   LANDFILL CLOSURE   7,500   7,500   REALE AFB TOTAL:   7,500   7,500   T,500   T,	<u>2,500</u>	
### BEALE AFB TOTAL:    BEALE AFB TOTAL:   7,500   7,500		
EDWARDS AFB   F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY   12,100   12,100	7,500 60	6
F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY   12,100   12,100   12,100   10,000   11,100   11,100   11,100   11,100   11,100   10,60	<u>7,500</u>	
### ENGINEERING TEST FACILITY  ADD TO AND ALTER ANECHOIC #### 11,100 ### 11,1		
DORMITORY   10,600   10,600     EDWARDS AFB TOTAL:   33,800   33,800     TRAVIS AFB     SQUADRON OPERATIONS/AIRCRAFT   7,400   7,400     MAINTENANCE UNIT FACILITY	12,100 70	D
### EDWARDS AFB TOTAL:    SQUADRON OPERATIONS/AIRCRAFT   7,400   7,400	11,100 73	3
### SQUADRON OPERATIONS/AIRCRAFT ### 7,400	10,600 70	6
SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY         7,400         7,400           KC-10 ADD TO FLIGHT SIMULATOR FACILITY         2,400         2,400           HAZARDOUS WASTE STORAGE FACILITY         600         600           DORMITORY         6,400         6,400           DORMITORIES         10,500         10,500           TRAVIS AFB TOTAL:         27,300         27,300           VANDENBERG AFB         FIRE STATION         2,000         2,000           SLFI - CHEMICAL TEST AND         4,000         4,000	<u>33,800</u>	
MAINTENANCE UNIT FACILITY   KC-10 ADD TO FLIGHT SIMULATOR   FACILITY   FACI		
HAZARDOUS WASTE STORAGE   600   600     DORMITORY   6,400   6,400     DORMITORIES   10,500   10,500     TRAVIS AFB TOTAL:   27,300   27,300     VANDENBERG AFB     FIRE STATION   2,000   2,000     SLFI - CHEMICAL TEST AND   4,000   4,000	7,400 86	D
DORMITORY   6,400   6,400     DORMITORIES   10,500   10,500     TRAVIS AFB TOTAL:   27,300   27,300     VANDENBERG AFB     FIRE STATION   2,000   2,000     SLFI - CHEMICAL TEST AND   4,000   4,000	2,400 83	3
DORMITORIES         10,500         10,500           TRAVIS AFB TOTAL:         27,300         27,300           VANDENBERG AFB         FIRE STATION         2,000         2,000           SLFI - CHEMICAL TEST AND         4,000         4,000	0 4	04
TRAVIS AFB TOTAL:  VANDENBERG AFB  FIRE STATION  SLFI - CHEMICAL TEST AND  27,300  27,300  27,300  27,300  4,000  4,000	6,400 8	6
VANDENBERG AFB  FIRE STATION 2,000 2,000  SLFI - CHEMICAL TEST AND 4,000 4,000	10,500 89	9
FIRE STATION         2,000         2,000           SLFI - CHEMICAL TEST AND         4,000         4,000	<u> 26,700</u>	
SLFI - CHEMICAL TEST AND 4,000 4,000		
OLI CIILIIO IL ILOU IL IL	2,000 9	3
	4,000 9	6
VANDENBERG AFB TOTAL: 6,000 6,000	<u>6,000</u>	
<u>CALIFORNIA TOTAL:</u> <u>74,600</u> <u>74,600</u>	<u>74,000</u>	

			AUTH		
STATE/COUNTRY INSTALLATI	ON PROJECT	PROJECT <u>AUTH</u>	FOR APPROP	APPROP AMOUNT	PAGE
CLASSIFIED CLASSIFIED	LOCATION				
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	700	700	700	406
	CLASSIFIED LOCATION TOTAL:	<u>700</u>	<u>700</u>	<u>700</u>	
	CLASSIFIED TOTAL:	700	<u>700</u>	<u>700</u>	
COLORADO BUCKLEY A	NGB	i			
	TROOP SUPPORT FACILITIES	5,500	5,500	5,500	101
	BUCKLEY ANGB TOTAL:	<u>5,500</u>	<u>5,500</u>	<u>5,500</u>	
PETERSON A	AFB				
	FIRE STATION	1,390	. 1,390	1,390	105
	ADD TO AND ALTER DORMITORY	3,000	3,000	3,000	108
	PETERSON AFB TOTAL:	4,390	4,390	<u>4,390</u>	
USAF ACADI	EMY				
	SAILPLANE HANGAR	3,724	3,724	3,724	112
	CHILD DEVELOPMENT CENTER	4,200	4,200	4,200	115
	UPGRADE FACILITIES HEATING SYSTEM	4,950	4,950	4,950	118
	USAF ACADEMY TOTAL:	12,874	12,874	12,874	
	COLORADO TOTAL:	<u>22,764</u>	22,764	22,764	
DELAWARE DOVER AFB					
	C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FA	5,500	5,500	5,500	122
	DOVER AFB TOTAL:	<u>5,500</u>	5,500	<u>5,500</u>	
	<u>DELAWARE TOTAL:</u>	<u>5,500</u>	<u>5,500</u>	<u>5,500</u>	
DISTRICT OF COLUMBIA BOLLING AFB					
	ALTER DORMITORY	6,500	6,500	6,500	126
	HONOR GUARD DORMITORY	5,600	5,600	5,600	129

			AUTH		
STATE/COUNTRY INSTALLATION	DN PROJECT	PROJECT <u>AUTH</u>	FOR APPROP	APPROP AMOUNT	PAGE
	<b>BOLLING AFB TOTAL:</b>	<u>12,100</u>	<u>12,100</u>	<u>12,100</u>	
	DISTRICT OF COLUMBIA TOTAL:	<u>12,100</u>	12,100	<u>12,100</u>	
FLORIDA CAPE CANAN	ÆRAL AFS				
	FIRE TRAINING FACILITY	1,600	1,600	1,600	133
	CAPE CANAVERAL AFS TOTAL:	<u>1,600</u>	1,600	1,600	
EGLIN AFB		•		·	
	REPAIR RUNWAY	6,200	6,200	6,200	137
	EGLIN AFB TOTAL:	6,200	<u>6,200</u>	<u>6,200</u>	
TYNDALL AF	В	•			
	FIRE TRAINING FACILITY	1,200	1,200	1,200	141
	TYNDALL AFB TOTAL:	1,200	1,200	1,200	
	FLORIDA TOTAL:	9,000	<u>9,000</u>	<u>9,000</u>	
GEORGIA MOODY AFB			·		
	C-130 AERIAL DELIVERY FACILITY	4,600	4,600	4,600	145
	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	3,200	3,200	3,200	148
	CONTROL TOWER	2,700	2,700	2,700	151
	C-130 AIRCRAFT WASHRACK FACILITY	1,700	1,700	1,700	154
	UPGRADE STORM DRAINAGE SYSTEM	690	690	690	407
	MOODY AFB TOTAL:	<u>12,890</u>	<u>12,890</u>	<u>12,890</u>	
ROBINS AFB					
	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	6,900	6,900	6,900	159
	ROBINS AFB TOTAL:	<u>6,900</u>	<u>6,900</u>	<u>6,900</u>	
	<b>GEORGIA TOTAL:</b>	<u>19,790</u>	<u>19,790</u>	<u>19,790</u>	
HAWAII HICKAM AFB					
	REPAIR AIRFIELD PAVEMENTS	4,550	4,550	4,550	163
			Page No.	6	

STATE/COUNTRY INSTALLATIO	<u>PROJECT</u>	PROJECT AUTH	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
	ALTER DORMITORY	3,100	3,100	3,100	166
	ALTER TRANSIENT DORMITORY	3,050	3,050	3,050	169
	HICKAM AFB TOTAL:	10,700	10,700	<u>10,700</u>	
	HAWAII TOTAL:	10,700	10,700	<u>10,700</u>	
IDAHO MOUNTAIN H	IOME AFB				
	IDAHO TRAINING RANGE (NORTH SITE)	8,000	8,000	8,000	173
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,850	9,850	9,850	176
	UPGRADE STORM DRAINAGE SYSTEM	800	800	800	409
	MOUNTAIN HOME AFB TOTAL:	<u> 18,650</u>	<u>18,650</u>	<u>18,650</u>	
	IDAHO TOTAL:	<u>18,650</u>	18,650	18,650	
ILLINOIS SCOTT AFB					
	DORMITORY	8,000	8,000	8,000	180
	GLOBAL REACH PLANNING CENTER VISITING QUARTERS	4,700	4,700	4,700	183
	SCOTT AFB TOTAL:	12,700	12,700	<u>12,700</u>	
	ILLINOIS TOTAL:	<u>12,700</u>	12,700	<u>12,700</u>	
KANSAS MCCONNELL	AFB				
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,100	6,100	6,100	187
	ALTER DORMITORY	2,200	2,200	2,200	190
	DEICING PAD	1,150	1,150	1,150	193
	MCCONNELL AFB TOTAL:	<u>9,450</u>	9,450	9,450	
	KANSAS TOTAL:	<u>9,450</u>	<u>9,450</u>	<u>9,450</u>	
LOUISIANA BARKSDALE	AFB				
	B-52 TRAINING COMPLEX	2,500	2,500	2,500	197

STATE/COUNTRY INSTALLATION	PROJECT	PROJECT <u>AUTH</u>	AUTH FOR APPROP	APPROP AMOUNT	PAGE
	BARKSDALE AFB TOTAL:	2,500	2,500	2,500	
	LOUISIANA TOTAL:	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	
MARYLAND ANDREWS AFB					
	INDERGROUND FUEL STORAGE TANKS	6,886	6,886	6,886	201
ı	OORMITORY	6,000	6,000	6,000	204
	ANDREWS AFB TOTAL:	<u>12,886</u>	12,886	12,886	
	MARYLAND TOTAL:	12,886	<u>12,886</u>	<u>12,886</u>	
MISSISSIPPI COLUMBUS AF	В		_		
F	IRE TRAINING FACILITY	1,150	1,150	1,150	207
	COLUMBUS AFB TOTAL:	<u>1,150</u>	<u>1,150</u>	<u>1,150</u>	
KEESLER AFB					
U	PGRADE STUDENT DORMITORY	6,500	6,500	6,500	211
	KEESLER AFB TOTAL	<u>6,500</u>	<u>6,500</u>	6,500	
	MISSISSIPPI TOTAL:	<u>7,650</u>	<u>7,650</u>	<u>7,650</u>	
MISSOURI WHITEMAN AFE					
	-2 ADD TO AIRCRAFT APRON/ DNVOY ROAD/TAXIWAY	1,500	1,500	1,500	215
	-2 ADD TO FLIGHT SIMULATOR RAINING FACILITY	4,100	4,100	4,100	217
-	2 AIRCRAFT MAINTENANCE OCKS/HYDRANT FUELING SYSTEM	15,500	15,500	15,500	220
	2 ADD TO AND ALTER DOCK FIRE ROTECTION SYSTEMS	3,500	3,500	3,500	223
	WHITEMAN AFB TOTAL:	24,600	24,600	24,600	
	MISSOURI TOTAL:	24,600	24,600	24,600	
NEVADA NELLIS AFB					
VI	SITING QUARTERS	9,900	9,900	9,900	227

STATE/COUNTRY INSTALLATIO	<u>DN</u>	PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	
	UPGRADE STORM DRAINAGE SYSTEM		600	600	600	411
	!	NELLIS AFB TOTAL:	10,500	10,500	<u>10,500</u>	
		NEVADA TOTAL:	10,500	<u>10,500</u>	<u>10,500</u>	
NEW JERSEY MCGUIRE AI	-В					
		ION OPERATIONS/ NTENANCE UNIT FAC	<b>7,600</b>	7,600	7,600	231
	FIRE TRAINING	FACILITY	1,600	1,600	1,600	234
	MC	GUIRE AFB TOTAL:	<u>9,200</u>	<u>9,200</u>	<u>9,200</u>	
	<u>N</u>	EW JERSEY TOTAL:	<u>9,200</u>	<u>9,200</u>	<u>9,200</u>	
NEW MEXICO CANNON AFI	3					
	WASTEWATER TO DISPOSAL PLA	TREATMENT AND NT	9,800	9,800	9,800	238
	UPGRADE STO	RM DRAINAGE SYSTEM	620	620	620	413
	<u>c</u> /	ANNON AFB TOTAL:	10,420	<u>10,420</u>	10,420	
KIRTLAND A	FB					
	UPGRADE ELECTION		7,656	7,656	7,656	242
	UPGRADE STO	RM DRAINAGE SYSTEM	1,500	1,500	1,500	245
	KIR	TLAND AFB TOTAL:	<u>9,156</u>	<u>9,156</u>	<u>9,156</u>	
	<u>NI</u>	EW MEXICO TOTAL:	<u>19,576</u>	<u>19,576</u>	<u>19,576</u>	
NORTH CAROLINA POPE AFB						
		RON OPS/AMU AND SERVICES CENTER	6,100	6,100	6,100	249
	UNDERGROUNI	D FUEL STORAGE TANKS	2,150	2,150	2,150	252
		POPE AFB TOTAL:	<u>8,250</u>	<u>8,250</u>	<u>8,250</u>	
SEYMOUR JO	DHNSON AFB					
	UPGRADE STO	RM DRAINAGE SYSTEM	830	830	830	415
	SEYMOUR JOI	INSON AFB TOTAL:	<u>830</u>	<u>830</u>	<u>830</u>	

STATE/COUNTRY INSTALLATIO	<u>PROJECT</u> NORTH CAROLINA TOTAL:	PROJECT <u>AUTH</u> <u>9,080</u>	AUTH FOR <u>APPROP</u> 9,080	APPROP <u>AMOUNT</u> <u>9,080</u>	<u>PAGE</u>
NORTH DAKOTA GRAND FOR	KS AFB				
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,300	6,300	6,300	257
	DORMITORY	8,500	8,500	8,500	260
	<b>GRAND FORKS AFB TOTAL:</b>	14,800	14,800	14,800	
MINOT AFB		:			
	UNDERGROUND FUEL STORAGE TANKS	1,550	1,550	1,550	264
	MINOT AFB TOTAL:	<u>1,550</u>	<u>1,550</u>	<u>1,550</u>	
	NORTH DAKOTA TOTAL:	<u>16,350</u>	<u>16,350</u>	<u>16,350</u>	
OHIO WRIGHT-PAT	TERSON AFB				
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	4,100	4,100	4,100	268
	WRIGHT-PATTERSON AFB TOTAL:	4,100	<u>4,100</u>	4,100	
	OHIO TOTAL:	4,100	4,100	4,100	
OKLAHOMA ALTUS AFB					
	FIRE TRAINING FACILITY	1,200	. 1,200	1,200	272
	<b>ALTUS AFB TOTAL:</b>	<u>1,200</u>	<u>1,200</u>	1,200	
TINKER AFB					
	ADD TO AND ALTER DORMITORIES	5,100	5,100	5,100	276
	TINKER AFB TOTAL:	<u>5,100</u>	<u>5,100</u>	<u>5,100</u>	
	OKLAHOMA TOTAL:	<u>6,300</u>	<u>6,300</u>	<u>6,300</u>	
SOUTH CAROLINA CHARLESTO	N AFB				
	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	5,600	5,600	281
	C-17 ADD TO FLIGHT SIMULATOR FACILITY	1,300	1,300	1,300	25
	DORMITORY	5,600	5,600	5,600	287
			Page No.	10	

STATE/COUNTRY INSTALLATIO	<u>PROJECT</u>	PROJECT AUTH	AUTH FOR APPROP	APPROP AMOUNT	PAGE
	CHARLESTON AFB TOTAL:	12,500	12,500	12,500	
SHAW AFB					
	UPGRADE STORM DRAINAGE SYSTEM	1,300	1,300	1,300	291
	SHAW AFB TOTAL:	1,300	<u>1,300</u>	<u>1,300</u>	
	SOUTH CAROLINA TOTAL:	<u>13,800</u>	13,800	13,800	
TENNESSEE ARNOLD AFB		ı			
	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	2,300	2,300	2,300	295
	UPGRADE FIRE PROTECTION SYSTEMS	2,700	. <b>2,700</b>	2,700	298
	ARNOLD AFB TOTAL:	<u>5,000</u>	<u>5,000</u>	<u>5,000</u>	
	TENNESSEE TOTAL:	<u>5,000</u>	<u>5,000</u>	5,000	
TEXAS BROOKS AFE	3				
	ADD TO AND ALTER COMMUNICATIONS FACILITY	233	233	0	417
	BROOKS AFB TOTAL:	<u>233</u>	233	<u>o</u>	
KELLY AFB					
	COMMUNICATIONS FACILITY	353	353	0	419
	WING HEADQUARTERS FACILITY	3,244	3,244	3,244	3 <b>0</b> 3
	KELLY AFB TOTAL:	<u>3,597</u>	<u>3,597</u>	3,244	
LAUGHLIN AF	FB				
	FIRE TRAINING FACILITY	1,400	1,400	1,400	307
	LAUGHLIN AFB TOTAL:	1,400	<u>1,400</u>	<u>1,400</u>	
RANDOLPH A	AFB				
	UPGRADE AIRFIELD LIGHTING	1,900	1,900	1,900	311
	FIRE TRAINING FACILITY	1,200	1,200	1,200	314
	RANDOLPH AFB TOTAL:	<u>3,100</u>	<u>3,100</u>	<u>3,100</u>	
REESE AFB					
	FIRE TRAINING FACILITY	1,200	1,200	1,200	318
			Page No.	11	

					4
STATE/COUNTRY INSTALLATION	<u>PROJECT</u>	PROJECT <u>AUTH</u>	AUTH FOR APPROP	APPROP AMOUNT	PAGE
	REESE AFB TOTAL:	<u>1,200</u>	1,200	<u>1,200</u>	
SHEPPARD A	<b>N</b> FB				
	UPGRADE AIRFIELD LIGHTING	1,500	1,500	1,500	322
	SHEPPARD AFB TOTAL:	<u>1,500</u>	<u>1,500</u>	<u>1,500</u>	
	TEXAS TOTAL:	11,030	<u>11,030</u>	10,444	
VIRGINIA LANGLEY AF	В	:			
	ALTER ACC HEADQUARTERS FACILITY	263	263	0	421
	UPGRADE STORM DRAINAGE SYSTEM	1,000	1,000	1,000	423
	LANGLEY AFB TOTAL:	<u>1,263</u>	<u>1,263</u>	<u>1,000</u>	
	<b>VIRGINIA TOTAL:</b>	<u>1,263</u>	<u>1,263</u>	<u>1,000</u>	
WASHINGTON FAIRCHILD A	<b>LFB</b>				
	ALTER DORMITORIES	7,500	7,500	7,500	327
	FAIRCHILD AFB TOTAL:	<u>7,500</u>	7,500	<u>7,500</u>	
MCCHORD A	FB				
	SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	<b>5,600</b>	5,600	5,600	331
	DORMITORY	4,300	4,300	4,300	334
	MCCHORD AFB TOTAL:	9,900	9,900	9,900	
	WASHINGTON TOTAL:	<u>17,400</u>	17,400	<u>17,400</u>	
WYOMING F E WARREN	ĀFB			v	
	ALTER DORMITORIES	5,500	5,500	5,500	338
	UPGRADE CENTRAL HEAT PLANT	3,500	3,500	3,500	341
	F E WARREN AFB TOTAL:	9,000	9,000	9,000	
	WYOMING TOTAL:	<u>9,000</u>	9,000	9,000	
	INSIDE THE U.S. TOTAL:	407,839	407,839	406,390	

STATE/COUNTRY INSTALLATI	<u>on</u> <u>Pro</u>	<u>JECT</u>	PROJECT <u>A</u> UTH	AUTH FOR APPROP	APPROP AMOUNT	PAGE
CLASSIFIED CLASSIFIED	LOCATION					
	VEHICLE MAINTENANCE	E FACILITY	1,600	1,600	1,600	345
	WAR READINESS MATE WAREHOUSES	RIAL.	15,500	15,500	15,500	348
	CLASSIFIED LOCATI	ON TOTAL:	<u>17,100</u>	· <u>17,100</u>	<u>17,100</u>	
	CLASSIF	ED TOTAL:	<u>17,100</u>	<u>17,100</u>	17,100	
GERMANY SPANGDAHI	LEM AB		f			•
	SOUND SUPPRESSOR I	FOUNDATION	600	600	600	425
	SOUND SUPPRESSOR I	FOUNDATION	950	950	950	428
	ADD TO MISSILE MAINT SHOP	TENANCE	930	930	930	431
	DORMITORY		5,900	5,900	5,900	352
	SPANGDAHLEM	AB TOTAL:	<u>8,380</u>	<u>8,380</u>	<u>8,380</u>	
VOGELWEH	ANNEX					
	CHILD DEVELOPMENT	CENTER	2,600	2,600	2,600	356
	VOGELWEH ANN	EX TOTAL:	<u>2,600</u>	<u>2,600</u>	2,600	
	GERMA	NY TOTAL	10,980	. <u>10,980</u>	<u>10,980</u>	
GREECE ARAXOS RR	s					
	DORMITORY		1,950	1,950	1,950	360
	ARAXOS R	RS TOTAL:	1,950	<u>1,950</u>	1,950	
	GREE	CE TOTAL:	<u>1,950</u>	<u>1,950</u>	<u>1,950</u>	
ITALY AVIANO AB						
	SQUADRON OPERATION	NS FACILITY	950	950	950	433
	COMMUNICATIONS MAI	NTENANCE	1,400	1,400	1,400	364
	AVIANO	AB TOTAL:	<u>2,350</u>	<u>2,350</u>	<u>2,350</u>	

STATE/COUNTRY INSTALLATI GHEDI RRS	ON PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
	DORMITORY	1,450	1,450	1,450	368
	GHEDI RRS TOTAL:	<u>1,450</u>	1,450	1,450	
	ITALY TOTAL:	<u>3,800</u>	<u>3,800</u>	<u>3,800</u>	
TURKEY ANKARA AS					
	LONG PERIOD SEISMIC ARRAY	3,000	3,000	3,000	372
	SHORT PERIOD SEISMIC ARRAY	4,000	4,000	4,000	375
	ANKARA AS TOTAL:	<u>7,000</u>	7,000	7,000	
INCIRLIK AI	3		·		
	CHILD DEVELOPMENT CENTER	1,600	1,600	1,600	379
	UPGRADE SEWAGE TREATMENT PLANT	2,900	2,900	2,900	382
	INCIRLIK AB TOTAL:	4,500	4,500	4,500	
	TURKEY TOTAL:	<u>11,500</u>	<u>11,500</u>	<u>11,500</u>	
UNITED KINGDOM RAF LAKENI					
	ADD TO MISSILE MAINTENANCE SHOP	1,820	1,820	1,820	386
	RAF LAKENHEATH TOTAL	<u>1,820</u>	1,820	1,820	
RAF MILDEN	HALL				
	ADD TO AND ALTER CHILD DEVELOPMENT CENTER	2,250	2,250	2,250	390
	RAF MILDENHALL TOTAL	<u>2,250</u>	2,250	2,250	
	UNITED KINGDOM TOTAL:	4,070	4,070	4,070	
	<b>OUTSIDE THE U.S. TOTAL</b>	49,400	49,400	49,400	

	E/COUNTRY INSTALLATION	PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
VARIO	OUS VARIOUS LOCATIONS					
	UNSPEC	FIED MINOR CONSTRUCTION	9,030	9,030	9,030	394
	PLANNIN	G AND DESIGN	30,835	30,835	30,835	396
	<u>VAR</u>	IOUS LOCATIONS TOTAL:	<u>39,865</u>	<u>39,865</u>	<u>39,865</u>	
		VARIOUS TOTAL:	<u>39,865</u>	<u>39,865</u>	<u>39,865</u>	
		WORLDWIDE TOTAL:	<u>39,865</u>	<u>39,865</u>	<u>39,865</u>	
		FY 1996 TOTAL:	497,104	<u>497,104</u>	495,655	

## **DEFINITIONS OF NEW AND CURRENT MISSION**

<u>NEW MISSION PROJECTS</u> - These projects support the deployment and beddown of new weapons systems, new or additional aircraft, missile, and space projects and support of new equipment such as radars, communications, computers, satellite tracking and electronic security. New mission projects all support new programs and initiatives that do not revitalize the existing physical plant. The projects support new and additional requirements. Planning and design and minor construction are also included in this category.

<u>CURRENT MISSION PROJECTS</u> - These projects revitalize the existing facility plant by replacement or upgrading existing facilities and by alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace and projects to increase productivity and achieve compliance with environmental, health and safety standards.

<u>FY 96</u>	<u>(\$000)</u>
NEW MISSION	\$189,765
CURRENT MISSION	\$305,890
TOTAL:	\$495,655

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
ALABAMA			
MAXWELL AFB			
	CHILD DEVELOPMENT CENTER COMPLEX	3,700	СМ
	MAXWELL AFB TOTAL:	<u>3,700</u>	
	ALABAMA TOTAL:	<u>3,700</u>	
ALASKA			
EIELSON AFB		i	
	ALTER DORMITORY	3,850	CM
	EIELSON AFB TOTAL:	<u>3,850</u>	
ELMENDORF AFE	3		
	REPAIR AIRFIELD TAXIWAY	900	CM
	MILSTAR COMMUNICATIONS GROUND TERMINAL	. 850	NM
	VISITING OFFICERS QUARTERS	7,350	CM
	ELMENDORF AFB TOTAL:	9,100	
TIN CITY LRRS			
	ABOVEGROUND FUEL STORAGE TANKS	2,500	CME
	TIN CITY LRRS TOTAL:	<u>2,500</u>	
	ALASKA TOTAL:	<u>15,450</u>	
ARIZONA			
DAVIS-MONTHAN	AFB		
	ALTER AIRCRAFT CORROSION CONTROL FACILITY	1,000	CME
	DORMITORY	3,800	NM
	DAVIS-MONTHAN AFB TOTAL:	4,800	
LUKE AFB			
	DORMITORY	5,200	NM
	LUKE AFB TOTAL:	<u>5,200</u>	

Legend:

**CM - Current Mission** 

CME - Current Mission Environmental NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	ARIZONA TOTAL:	10,000	
ARKANSAS			
LITTLE ROCK AI	ъ		
	UPGRADE SANITARY SEWER SYSTEM	2,500	CME
	LITTLE ROCK AFB TOTAL:	<u>2,500</u>	
	ARKANSAS TOTAL:	<u>2,500</u>	
CALIFORNIA		:	
BEALE AFB			
	LANDFILL CLOSURE	7,500	CME
	BEALE AFB TOTAL:	<u>7,500</u>	
EDWARDS AFB		•	
	F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	12,100	NM
	ADD TO AND ALTER ANECHOIC CHAMBER	11,100	NM
	DORMITORY	10,600	CM
	EDWARDS AFB TOTAL	<u>33,800</u>	
TRAVIS AFB		•	
	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	7,400	СМ
	KC-10 ADD TO FLIGHT SIMULATOR FACILITY	2,400	NM
	DORMITORY	6,400	CM
	DORMITORIES	10,500	CM
	TRAVIS AFB TOTAL:	<u>26,700</u>	
VANDENBERG AF	В		
	FIRE STATION	2,000	CM

Legend: CM - Current Mission

CME - Current Mission Environmental NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY	4,000	CM
	VANDENBERG AFB TOTAL:	<u>6,000</u>	
	CALIFORNIA TOTAL:	74,000	
CLASSIFIED			
CLASSIFIED LO	CATION		
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	<b>700</b>	NM
	CLASSIFIED LOCATION TOTAL:	· <u>700</u>	
	CLASSIFIED TOTAL:	<u>700</u>	
COLORADO			
BUCKLEY ANGB			
	TROOP SUPPORT FACILITIES	5,500	NM
	<b>BUCKLEY ANGB TOTAL:</b>	<u>5,500</u>	
PETERSON AFB			
	FIRE STATION	1,390	CM
	ADD TO AND ALTER DORMITORY	3,000	CM
	PETERSON AFB TOTAL:	<u>4,390</u>	
USAF ACADEMY			
	SAILPLANE HANGAR	3,724	CM
	CHILD DEVELOPMENT CENTER	4,200	CM
	UPGRADE FACILITIES HEATING SYSTEM	4,950	СМ
	USAF ACADEMY TOTAL:	12,874	
	COLORADO TOTAL:	22,764	
DELAWARE			
DOVER AFB			
	C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,500	СМ
	<b>DOVER AFB TOTAL:</b>	<u>5,500</u>	

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	<b>DELAWARE TOTAL:</b>	<u>5,500</u>	
DISTRICT OF COLUM	BIA		
<b>BOLLING AFB</b>			
	ALTER DORMITORY	6,500	CM
	HONOR GUARD DORMITORY	5,600	СМ
	<b>BOLLING AFB TOTAL:</b>	<u>12,100</u>	
	DISTRICT OF COLUMBIA TOTAL:	: <b>12,100</b>	
FLORIDA			
CAPE CANAVERA	L AFS		
	FIRE TRAINING FACILITY	1,600	CME
	CAPE CANAVERAL AFS TOTAL:	1,600	
EGLIN AFB		•	
	REPAIR RUNWAY	6,200	СМ
	EGLIN AFB TOTAL:	<u>6,200</u>	
TYNDALL AFB			
	FIRE TRAINING FACILITY	1,200	CME
	TYNDALL AFB TOTAL:	1,200	
	FLORIDA TOTAL:	9,000	
GEORGIA			
MOODY AFB			
	C-130 AERIAL DELIVERY FACILITY	4,600	NM
	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	3,200	NM
	CONTROL TOWER	2,700	CM
	C-130 AIRCRAFT WASHRACK FACILITY	1,700	NM
	UPGRADE STORM DRAINAGE SYSTEM	690	CME
	MOODY AFB TOTAL:	12,890	

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
ROBINS AFB			
	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	6,900	NM
	ROBINS AFB TOTAL:	6,900	
	GEORGIA TOTAL:	<u>19,790</u>	
HAWAII			
HICKAM AFB			
	REPAIR AIRFIELD PAVEMENTS	4,550	СМ
	ALTER DORMITORY	3,100	СМ
	ALTER TRANSIENT DORMITORY	3,050	CM
	HICKAM AFB TOTAL:	10,700	
	HAWAII TOTAL:	10,700	
IDAHO			
MOUNTAIN HOM	E AFB		
	IDAHO TRAINING RANGE (NORTH SITE)	8,000	NM
	WASTEWATER TREATMENT AND DISPOSAL PLANT	. <b>9,850</b>	СМЕ
	UPGRADE STORM DRAINAGE SYSTEM	800	CME
	MOUNTAIN HOME AFB TOTAL:	<u>18,650</u>	
	IDAHO TOTAL:	<u>18,650</u>	
ILLINOIS			
SCOTT AFB			
	DORMITORY	8,000	СМ
	GLOBAL REACH PLANNING CENTER VISITING QUARTERS	4,700	СМ
	SCOTT AFB TOTAL:	12,700	
	ILLINOIS TOTAL:	<u>12,700</u>	

Legend: CM - Current Mission

**CME - Current Mission Environmental** 

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
KANSAS			
MCCONNELL AFE	3		
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,100	NM
	ALTER DORMITORY	2,200	СМ
	DEICING PAD	1,150	CME
	MCCONNELL AFB TOTAL:	<u>9,450</u>	
	KANSAS TOTAL:	. <u>9,450</u>	
LOUISIANA			
BARKSDALE AFB			
	B-52 TRAINING COMPLEX	2,500	NM
	BARKSDALE AFB TOTAL:	<u>2,500</u>	
	LOUISIANA TOTAL:	<u>2,500</u>	
MARYLAND			
ANDREWS AFB			
	UNDERGROUND FUEL STORAGE TANKS	6,886	CME
	DORMITORY	6,000	CM
	ANDREWS AFB TOTAL:	<u>12,886</u>	
	MARYLAND TOTAL:	<u>12,886</u>	
MISSISSIPPI			
COLUMBUS AFB			
	FIRE TRAINING FACILITY	1,150	CME
	COLUMBUS AFB TOTAL:	<u>1,150</u>	
KEESLER AFB			
	UPGRADE STUDENT DORMITORY	6,500	СМ
	KEESLER AFB TOTAL:	<u>6,500</u>	
	MISSISSIPPI TOTAL:	<u>7,650</u>	

**Legend:** CM - Current Mission

**CME - Current Mission Environmental** 

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
MISSOURI			
WHITEMAN AFB			
	B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	1,500	NM
	B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	4,100	NM
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,500	NM
	B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	: 3,500	NM
	WHITEMAN AFB TOTAL:	24,600	
	MISSOURI TOTAL:	24,600	
NEVADA			
NELLIS AFB		•	
	VISITING QUARTERS	9,900	CM
	UPGRADE STORM DRAINAGE SYSTEM	600	CME
	NELLIS AFB TOTAL:	<u>10,500</u>	
	NEVADA TOTAL:	10,500	
NEW JERSEY			
MCGUIRE AFB			
	KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	7,600	NM
	FIRE TRAINING FACILITY	1,600	CME
	MCGUIRE AFB TOTAL:	9,200	
	NEW JERSEY TOTAL:	9,200	
NEW MEXICO			
CANNON AFB		٠	
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,800	CME
	UPGRADE STORM DRAINAGE SYSTEM	620	CME
	Of GIADE GIGHIN BIANTAGE GIGIEN		

**Legend:** CM - Current Mission

**CME - Current Mission Environmental** 

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
KIRTLAND AFB			
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	<b>7,656</b>	CM
	UPGRADE STORM DRAINAGE SYSTEM	1,500	CME
	KIRTLAND AFB TOTAL:	<u>9,156</u>	
	NEW MEXICO TOTAL:	<u>19,576</u>	
NORTH CAROLINA			
POPE AFB		:	
	C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	6,100	NM
	UNDERGROUND FUEL STORAGE TANKS	2,150	CME
	POPE AFB TOTAL:	<u>8,250</u>	
SEYMOUR JOHN	SON AFB		
	UPGRADE STORM DRAINAGE SYSTEM	830	CME
	SEYMOUR JOHNSON AFB TOTAL:	<u>830</u>	
	NORTH CAROLINA TOTAL:	9,080	
NORTH DAKOTA			
GRAND FORKS	NFB		
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,300	NM
	DORMITORY	8,500	CM
	GRAND FORKS AFB TOTAL:	14,800	
MINOT AFB			
	UNDERGROUND FUEL STORAGE TANKS	1,550	CME
,	MINOT AFB TOTAL:	<u>1,550</u>	
	NORTH DAKOTA TOTAL:	<u>16,350</u>	
ОНІО			
WRIGHT-PATTER	SON AFB		
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	4,100	CM
Ladande CM - Curre	ant Micelan		

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	WRIGHT-PATTERSON AFB TOTAL:	<u>4,100</u>	
	OHIO TOTAL:	<u>4,100</u>	
OKLAHOMA			
ALTUS AFB			
	FIRE TRAINING FACILITY	1,200	CME
	ALTUS AFB TOTAL:	<u>1,200</u>	
TINKER AFB		•	
	ADD TO AND ALTER DORMITORIES	5,100	CM
	TINKER AFB TOTAL:	5,100	
	OKLAHOMA TOTAL:	<u>6,300</u>	
SOUTH CAROLINA			
CHARLESTON A	FB		
	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	NM
	C-17 ADD TO FLIGHT SIMULATOR FACILITY	1,300	NM
	DORMITORY	5,600	СМ
	CHARLESTON AFB TOTAL:	12,500	
SHAW AFB			
	UPGRADE STORM DRAINAGE SYSTEM	1,300	CME
	SHAW AFB TOTAL:	<u>1,300</u>	
	SOUTH CAROLINA TOTAL:	<u>13,800</u>	
TENNESSEE			
ARNOLD AFB			
	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	2,300	CME
	UPGRADE FIRE PROTECTION SYSTEMS	2,700	СМ
	ARNOLD AFB TOTAL:	<u>5,000</u>	
	TENNESSEE TOTAL:	<u>5,000</u>	

Legend: CM - Current Mission

**CME - Current Mission Environmental** 

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	<u>TYPE</u>
TEXAS			
KELLY AFB			
	WING HEADQUARTERS FACILITY	3,244	СМ
	KELLY AFB TOTAL:	<u>3,244</u>	
LAUGHLIN AFB			
	FIRE TRAINING FACILITY	1,400	CME
	LAUGHLIN AFB TOTAL:	: <u>1,400</u>	
RANDOLPH AFB			
	UPGRADE AIRFIELD LIGHTING	1,900	CM
	FIRE TRAINING FACILITY	1,200	CME
	RANDOLPH AFB TOTAL:	<u>3,100</u>	
REESE AFB			
	FIRE TRAINING FACILITY	1,200	CME
	REESE AFB TOTAL:	1,200	
SHEPPARD AFB			
	UPGRADE AIRFIELD LIGHTING	1,500	CM
	SHEPPARD AFB TOTAL:	1,500	
	TEXAS TOTAL:	10,444	
VIRGINIA			•
LANGLEY AFB			
	UPGRADE STORM DRAINAGE SYSTEM	1,000	CME
	LANGLEY AFB TOTAL:	1,000	
	VIRGINIA TOTAL:	1,000	
WASHINGTON			
FAIRCHILD AFB			
	ALTER DORMITORIES	7,500	СМ
	FAIRCHILD AFB TOTAL:	<u>7,500</u>	

Legend: CM - Current Mission

CME - Current Mission Environmental

**NM - New Mission** 

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
MCCHORD AFB			
	SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	· 5,600	CM
	DORMITORY	4,300	CM
	MCCHORD AFB TOTAL:	9,900	
	WASHINGTON TOTAL:	17,400	
WYOMING			
F E WARREN AFE	3	£	
	ALTER DORMITORIES	5,500	CM
	UPGRADE CENTRAL HEAT PLANT	3,500	CM
	F E WARREN AFB TOTAL:	9,000	
	WYOMING TOTAL:	9,000	
	INSIDE THE U.S. TOTAL:	406,390	
CLASSIFIED			
CLASSIFIED LOC	ATION	•	
	VEHICLE MAINTENANCE FACILITY	1,600	NM
	WAR READINESS MATERIAL WAREHOUSES	15,500	NM
	CLASSIFIED LOCATION TOTAL:	<u>17,100</u>	
	CLASSIFIED TOTAL:	<u>17,100</u>	
GERMANY			
SPANGDAHLEM A	AB		
	SOUND SUPPRESSOR FOUNDATION	600	NM
	SOUND SUPPRESSOR FOUNDATION	950	NM
	ADD TO MISSILE MAINTENANCE SHOP	930	NM
	DORMITORY	5,900	CM
	SPANGDAHLEM AB TOTAL:	<u>8,380</u>	

Legend: **CM - Current Mission** 

**CME - Current Mission Environmental** 

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
VOGELWEH ANNEX			
	CHILD DEVELOPMENT CENTER	2,600	CM
	VOGELWEH ANNEX TOTAL:	<u>2,600</u>	
	<b>GERMANY TOTAL:</b>	10,980	
GREECE			
ARAXOS RRS		•	
	DORMITORY	, <b>1,950</b>	CM
	ARAXOS RRS TOTAL:	<u>1,950</u>	
	GREECE TOTAL:	<u>1,950</u>	
ITALY			
AVIANO AB			
	SQUADRON OPERATIONS FACILITY	950	NM
	COMMUNICATIONS MAINTENANCE FACILITY	1,400	NM
	AVIANO AB TOTAL:	<u>2,350</u>	
GHEDI RRS			
	DORMITORY	1,450	CM
	GHEDI RRS TOTAL:	<u>1,450</u>	
	ITALY TOTAL:	<u> 3,800</u>	
TURKEY			
ANKARA AB			
	LONG PERIOD SEISMIC ARRAY	3,000	CM
	SHORT PERIOD SEISMIC ARRAY	4,000	CM
	ANKARA AB TOTAL:	<u>7,000</u>	
INCIRLIK AB			
	CHILD DEVELOPMENT CENTER	1,600	CM

Legend:

CM - Current Mission
CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	UPGRADE SEWAGE TREATMENT PLANT	2,900	CME
	INCIRLIK AB TOTAL:	<u>4,500</u>	
	TURKEY TOTAL:	<u>11,500</u>	
UNITED KINGDOM			
RAF LAKENHEAT	пн		
	ADD TO MISSILE MAINTENANCE SHOP	1,820	NM
	RAF LAKENHEATH TOTAL:	<u>1,820</u>	
RAF MILDENHAL	ı		
	ADD TO AND ALTER CHILD DEVELOPMENT CENTER	<b>2,250</b>	CM
	RAF MILDENHALL TOTAL:	<u>2,250</u>	
	UNITED KINGDOM TOTAL:	4,070	
	OUTSIDE THE U.S. TOTAL:	49,400	
VARIOUS			
VARIOUS LOCATE	IONS		
	UNSPECIFIED MINOR CONSTRUCTION	9,030	ww
	PLANNING AND DESIGN	30,835	ww
	VARIOUS LOCATIONS TOTAL:	<u>39,865</u>	
	<u>VARIOUS TOTAL:</u>	<u>39,865</u>	
	WORLDWIDE TOTAL:	<u>39,865</u>	
	FY 1996 TOTAL:	495,655	

**CM - Current Mission** Legend:

CME - Current Mission Environmental NM - New Mission WW - New Mission Worldwide

## DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FY 1996 PRESIDENT'S BUDGET INSTALLATION INDEX

INSTALLATION	<b>COMMAND</b>	STATE/COUNTRY	<b>PAGE</b>
ALTUS AFB	AETC	OKLAHOMA	271
ANDREWS AFB	AMC	MARYLAND	371
ANKARA AS	USAFE	TURKEY	200
ARAXOS RRS	USAFE	GREECE	359
ARNOLD AFB	AFMC	TENNESSEE	294
AVIANO AB	USAFE	ITALY	363
BARKSDALE AFB	ACC	LOUISIANA	196
BEALE AFB	ACC	CALIFORNIA	65
BOLLING AFB	AFDW	DISTRICT OF COLUMBIA	125
BROOKS AFB	AFMC	TEXAS :	301
BUCKLEY ANGB	AFMC	COLORADO	100
CANNON AFB	ACC	NEW MEXICO	237
CAPE CANAVERAL AFS	SPACECOM	FLORIDA	132
CHARLESTON AFB	AMC	SOUTH CAROLINA	279
CLASSIFIED LOCATIONS	LEE	CLASSIFIED	99, 344
COLUMBUS AFB	AETC	MISSISSIPPI	206A
DAVIS-MONTHAN AFB	ACC	ARIZONA	53
DOVER AFB	AMC	DELAWARE	121
EDWARDS AFB	AFMC	CALIFORNIA	69
EGLIN AFB	AFMC	FLORIDA	136
EIELSON AFB	PACAF	ALASKA	41
ELMENDORF AFB	PACAF	ALASKA	45
F E WARREN AFB	SPACECOM	WYOMING	337
FAIRCHILD AFB	AMC	WASHINGTON	326
TAINCHIAD AU D	TANZO	***************************************	
GHEDI RRS	USAFE	ITALY	367
GRAND FORKS AFB	AMC	NORTH DAKOTA	256
HICKAM AFB	PACAF	HAWAII	162
INCIRLIK AB	USAFE	TURKEY	378
KEESLER AFB	AETC	MISSISSIPPI	210
KELLY AFB	AFIA	TEXAS	302
KIRTLAND AFB	AFMC	NEW MEXICO	241
RAF LAKENHEATH	USAFE	UNITED KINGDOM	385
LANGLEY AFB	ACC	VIRGINIA	325
LAUGHLIN AFB	AETC	TEXAS	306
LITTLE ROCK AFB	ACC	ARKANSAS	61
LUKE AFB	AETC	ARIZONA	57
DOME ALD		3	_
MAXWELL AFB	AETC	ALABAMA	37
MCCHORD AFB	AMC	WASHINGTON	330
MCCONNELL AFB	AMC	KANSAS	186
MICCOMMEDE AND	4 EL1 A C		

## DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FY 1996 PRESIDENT'S BUDGET INSTALLATION INDEX

INSTALLATION	<b>COMMAND</b>	STATE/COUNTRY	PAGE
MCGUIRE AFB	AMC	NEW JERSEY	230
RAF MILDENHALL	USAFE	<b>UNITED KINGDOM</b>	389
MINOT AFB	ACC	NORTH DAKOTA	263
MOODY AFB	ACC	GEORGIA	144
MOUNTAIN HOME AFB	ACC	<b>ДАНО</b>	172
NELLIS AFB	ACC	NEVADA	226
PETERSON AFB	SPACECOM	COLORADO	104
POPE AFB	ACC	NORTH CAROLINA	248
RANDOLPH AFB	AETC	TEXAS	310
REESE AFB	AETC	TEXAS	317
ROBINS AFB	ACC	GEORGIA	157
SCOTT AFB	AMC	ILLINOIS	179
SEYMOUR JOHNSON AFB	ACC	NORTH CAROLINA	255
SHAW AFB	ACC	SOUTH CAROLINA	290
SHEPPARD AFB	AETC	TEXAS	321
SPANGDAHLEM AB	USAFE	GERMANY	351
TIN CITY LRRS	PACAF	ALASKA	49
TINKER AFB	AFMC	OKLAHOMA	275
TRAVIS AFB	AMC	CALIFORNIA	79
TYNDALL AFB	AETC .	FLORIDA	140
USAF ACADEMY	USAFA	COLORADO	111
VANDENBERG AFB	SPACECOM	CALIFORNIA	92
VARIOUS LOCATIONS	SUPPORT	WORLDWIDE	393
VOGEHWEH ANNEX	USAFE	GERMANY	355
WHITEMAN AFB	ACC	MISSOURI	214
WRIGHT-PATTERSON AFB	AFMC	OHIO	267

## DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996

## **ECONOMIC CONSIDERATIONS**

An economic evaluation has been accomplished for all projects costing over \$2 million and the results are addressed in the individual DD Forms 1391.

## DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law, 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

### **ENVIRONMENTAL STATEMENT**

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 1996 Military Construction Program.

### **EVALUATION OF FLOOD PLAINS AND WETLANDS**

All projects in the program have been evaluated for compliance with Executive Orders 11988, Flood plain Management, and 11990, Protection of Wetlands, and the Flood plain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

### **ENVIRONMENTAL COMPLIANCE**

The FY 96 MILCON request includes \$68 million for requirements necessary to correct current environmental noncompliance situations and to prevent future noncompliance. The request is the result of an intense effort to correct environmental concerns existing in five major infrastructure areas: wastewater treatment systems, corrosion control systems, hydrant refueling systems, underground storage tank systems, and live fire training facilities.

### FY 1996

## CONGRESSIONAL REPORTING REQUIREMENTS

## 1. STATEMENTS ON NATO ELIGIBILITY

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justification.

# 2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

## 3. NEW AND CURRENT MISSION ACTIVITIES

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation which follows the project on the listing at page 17 identifies each project as new or current mission. Current mission MILCON is further broken down to indicate environmental projects. Additionally, each justification in Block 11 of the DD Form 1391 indicates whether the project supports a new or current mission.

## 4. RESOLUTION TRUST CORPORATION ASSETS

Senate Armed Services Committee Report 101-384, dated 20 July 1990, on the National Defense Authorization Act for FY 91 requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY 96 Military Construction and Family Housing programs were compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined and the Department certified that no assets exist that can be economically used in lieu of the FY 96 projects requested.

# FY 1996 THIRD PARTY FINANCING

Test of long-term facilities contracts

NONE

# FY 1996 NON-MILCON FUNDING

Research and Development (RDT&E)

NONE

## APPROPRIATIONS LANGUAGE

## MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property of the Air Force as currently authorized by law \$495,655,000 to remain available until September 30, 2000: Provided that, of this amount, not to exceed \$30,835,000, shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

Program and Financing (in Thousands of dollars) FISCAL VEAR 1990  Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	1994 actual 1995 est.				year: lans -8.315 -20,042 t plans 20,042
Program an	Identification code 57-3300-0-1-051	Program by activities:  Oirect program:  Major construction  Minor construction  Planning  Supporting activities	Total direct program	Total	Financing: Recovery of prior year obligations Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans Reprograming from/to prior year budget plans Unobligated balance expiring

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1990

					1
Identifi	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
- G	Program by activities:				
00.0101	Ulfect program: Major construction Minor construction	36,722			
00.0301	Planning Supporting activities	1,445		1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1016.00	Total direct program	39,013			
10.0001	Total	39,013			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
17.0001	Financing: 17.0001 Recovery of prior year obligations	-1,332			
21.4002	Unobligated balance available. For completion of prior year budget plans Available to finance new budget plans	-57,723 -8,315			
21.4009	Reprograming from/to prior year budget plans Unobilgated balance expiring	20,042	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
40.0001	Budget a	-8,315	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

				Budget PI CONSTRUCT	Budget Plan (amounts for MILIT CONSTRUCTION actions programed)	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	1
Identifle	Identification code	57-3300-0-1-051	1994	1994 actual	1995 est.	1996 est.	1997 est.
ā.	Program by activities:	lotties:					
00.0101	Major construction	truction truction					
00.0301	Planning						
00.0401	Subborting	oupporting activities	1	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1
1016.00	Total dire	Total direct program					
			-	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1
10.0001	Total						
L	Financing:						
17.0001	Recovery of Unobligated	17.0001 Recovery of prior year obligations Unobligated balance available, start of year:					
21,4002	For comple	For completion of prior year budget plans					
21.4003	Available	Available to finance new budget plans		-6,550			
21,4009	Reprogram	ing from/to prior year budget plans		-1,660			
22.0001	Unobligated Unobligated	Unobligated balance transferred to other accounts Unobligated balance available, end of year:		1,660			
24.4002	For comple	For completion of prior year budget plans	!	1		 	: 
40.0001	Budget auth	40.0001 Budget authority (Appropriation rescinded) (	 	-6,550	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		; ; ; ; ;

Program and Financing (in Thousands of dollars) FISCAL VEAR 1991

				Obligations		
Identific	Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
P.	Program by activities:	1vities:				
00.0101	Major construction	truction	78,727	40,251		
00.0201	Minor construction	truction	690	165		
00.0301	Supporting	Planning Supporting activities	4,798	4,470		
1016.00	Total dire	Total direct program	84,487	44,886		
				1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
10.0001	Total		84,487	44.886		
17.0001	Financing: Recovery of Unobilgated	nancing: Recovery of prior year obligations Unobligated balance available, start of year:	-2,822			
21.4002	For comple	For completion of prior year budget plans Available to finance new budget plans	-128,211 -6,550	-44,886		
21.4009	Reprogram Unobligated	Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts	1,660			
24.4002	Unobligated For comple	Unobligated balance available, end of year: For completion of prior year budget plans	44,886			
40.0001	Budget auth	40.0001 Budget authority (Appropriation rescinded) (	-6,550			! ! ! !

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

		Budget F CONSTRUC	Budget Plan (amounts for MilliAky CONSTRUCTION actions programed)	programed)	
dentific	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est
00.0101 00.0201 00.0301 00.0401	Program by activities: Direct program: Major construction Minor construction Planning Supporting activities				
1016.00	Total direct program		 	1 1 1 1 1 1 1 1 1	 
10.0001	Total				1 1 3 8 1 1 1 1 1
17.0001 21.4002 21.4003	Financing: Recovery of prior year obligations Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans	-12,980	-3,029		
21.4009 22.0001	Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts Unobligated balance available, end of year:	-9,804 6,775			
24.4002 24.4003	For completion of prior year budget plans Available to finance subsequent year budget plans	3,029			1 1 1 1 1 1
1000.66	Budget authority	-	-3,029		
40.0001	Budget authority: Appropriation rescinded (unob bal) Reduction pursuant to P.L. 103-307 (-)	-12,980	-3,029		, , , , , ,
43.0001	Appropriation (adjusted)	1			

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

1 1 1 1 1 1			Obligations		
Identifi	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
00.0101	Program by activities: Direct program: Major construction Minor construction	164,179	88,805 1,176	53,614	
00.0301	Planning Supporting activities	858	723	1,065	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
00.9101	Total direct program	186,742	96,83	6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1
10.0001	Total	186,742	96,837	59,079	
17.0001	Financing: Recovery of prior year obligations Unobligated balance available, start of year:	- 109			
21.4002	For completion of prior year budget plans Available to finance new budget plans	-352,352 -12,980	-155,916 -3,029	-59,079	
22.0001	Reprograming from/to prior year budget plans Unobligated balance fransferred to other accounts Unobligated balance avallable, end of year:	6,775			
24.4002	For completion of prior year budget plans Available to finance subsequent year budget plans	155,916 3,029	59,079		
39.0001	Budget authority	-12,980	-3,029		
40.0001	Budget authority: Appropriation rescinded (unob bal) Reduction pursuant to P.L. 103-307 (-)	-12,980	-3,029		
43.0001	Appropriation (adjusted)	-12,980	-3,029	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Identification code  Program by as Direct program by as 00.00101 Major co 00.0201 Minor co 00.0301 Planning 00.9101 Total di 10.0001 Total Financing: 17.0001 Recovery or Unobligate 21.4002 For complete 21.4003 Available 22.0001 Unobligate	Program by activities:  Direct program by activities:  Direct program Major construction Minor construction Planning  Total direct program  Total direct program  Total  Recovery of prior year obligations Unobligated balance available, start of year:  For completion of prior year budget plans Available to finance new budget plans Available to finance new budget plans Heprograming from/to prior year budget plans Unobligated balance transferred to other accounts	Budget P CONSTRUC 1994 actual 	Budget Plan (amounts for MILIT CONSTRUCTION actions programed) actual 1995 est. 1996 est actual 1995 est. 1996 est -2,250	Budget Plan (amounts for MiLiTARY CONSTRUCTION actions programed) actual 1995 est. 1996 est. actual 1995 est. 1996 est. actual 1995 est. 1966 est.	1997 est.
24.4002	For completion of prior year budget plans				1 1 1 1 1
	) (behalinger and telinoproper) (4-10-14-16-16-16-16-16-16-16-16-16-16-16-16-16-				

				417	1907 951
Identification code 57-3300-0-1-051		1994 actual	1995 est.	1996 681.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Propram by activities:					
Direct program:		040 040	38.578	995,69	18,636
00.0101 Major construction		450	823		
		29,131	3,700	2,269	2,086
00.03U1 Planning				111111111111111111111111111111111111111	207 00
00.9101 Total direct program		270,521	43,101	000.17	2
				1	
		270 621	43 101	71,835	20,722
10.0001 Total		110,012		•	
Financing:		-2,632			
5	le, start of year:	-420 232	-135,658	-92,557	-20,722
	ear budget plans	-2,250	•		
21,4003 Available to finance new budget plans	budget plans r year budget plans				
21.4009 Reprograming Howite Price 7.3.	rred to other accounts	16,685			
	le, end of year:	125 858	92.557	20,722	
24, 4002 For completion of prior year budget	ear budget plans	0 1 10 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1	
d	tion rescinded) (	-2,250		1	1

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL

	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	1996 est. 1997 est.					
FISCAL YEAR 1994	Budget Plan (amounts for MILIT CONSTRUCTION actions programed)	1995 est.					
	Budget CONSTRU	1994 actual	920,193 8,555 63,882 7,150	999,180	999,780	000 ' £ ~	996,780
Program and Financing (in Thousands of dollars)		Identification code 57-3300-0-1-051	Program by activities: Direct program: 00.0101 Major construction 00.0201 Minor construction 00.0301 Planning 00.0401 Supporting activities	00.9101 Total direct program	10.0001 Total	Financing: Unobligated balance available, start of year: 21.4002 For completion of prior year budget plans 22.0001 Unobligated balance transferred to other accounts Unobligated balance available, end of year: 24.4002 For completion of prior year budget plans	40.0001 Budget authority (Appropriation)

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1994

				Obilgations		
Identific	Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
1 <b>Q.</b> 1 1 1 1 1 1	Program by activities: Direct program:				0	53. 50
00.0101	Major construction Minor construction	truction truction	553,007 7,551	259, 126 1,004	7 666	21.132
00.0301	Planning Supporting	Planning Supporting activities	29,464	2,145	858	286
1016.00	Total dire	Total direct program	590,022	269,941	77,983	29,993
	T 0 + 0 T		590,022	269,941	77,983	29,993
7 4002 F	Financing: Unobligated For comple	nancing: Unobligated balance available, start of year: For completion of orior year budget plans		-409,758	-139,817	-61,834
22.0001	Unobligated	Unobiligated balance transferred to other accounts	-3,000			
24.4002	Unobligated For comple	Unobilgated balance available, end of year: For completion of prior year budget plans	409,758	139,681	61,834	31,841
40.0001	Budget autho	40,0001 Budget authority (Appropriation)	996,780	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1						

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1995

 		Budget P1 CONSTRUCT	Budget Plan (amounts for MILIT CONSTRUCTION actions programed)	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	
Identific	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
	Program by activities: Direct program:				
00.0101	Major construction		460,427		
00.0301	Planning	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	49,386	1 1 1 1	1 1 1 1 1 1
1016.00	Total direct program		516,813		
01.0101	Reimbursabie program		323	             	}   
10.0001	Total		517,136		
F 1000	Financing: Offsetting collections from: Forecal funds(-)		-323		
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans Unobligated balance available, end of year:				
24.4002		1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1
40.0001	Budget authority (Appropriation)		516,813		1

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1995

Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Program by activities:	?	 		
Direct program:			15.7 200	500 01
		281,76	132,288	840
10.0201 Minor construction		3,500	5,100	5 9 5 5 9 7
00.0301 Planning		24,083	176 ° C	
00.9101 Total direct program		309,959	160,312	25,857
## 1000 0		323		
בו.טוטו אפיוווים אמנום די טעינייי				
10.0001 Total		310,282	160,312	25,857
Financing: Offsetting collections from:		,		
11,0001 Federal funds(-)		-353		
Š			+20G B54	-46 542
21,4002 For completion of prior year budget plans				•
Unobligated balance available, end of		206 854	46 542	20.685
24,4002 For completion of prior year budget plans		7 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
10 0001 Budget sutbority (Appropriation)		516,813		

1997 est. Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 455,790 9,030 30,835 495,655 495,655 1996 est. 495,655 1995 est. FISCAL VEAR 1996 1994 actual Military Construction, Air Force Program and Financing (in Thousands of dollars) Financing:
Unobligated balance available, start of year:
2 For completion of prior year budget plans
Unobligated balance available, end of year:
2 For completion of prior year budget plans Budget authority (Appropriation) 57-3300-0-1-051 Total direct program Program by activities:
Direct program:
01 Major construction
01 Minor construction
01 Planning Identification code Total 40.0001 00.0101 00.0201 00.0301 24,4002

21,4002

10.0001

1016.00

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL VEAR 1996

	57-3300-0-1-051	1994 actual	1995 est.	1995 est. 1996 est.	1997 est.
1 4					
Direct program:	•			308 900	169 841
	CO.			4,515	2,709
00.0201 Minor construction				16,418	9,851
		111111	1   1   1   1   1   1		
00.9101 Total direct program	ogram			247,828	182,401
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			182.401
10.0001 Total					•
Floancing:					
Unobligated balan	O				747 B27
21.4002 For completion	For completion of prior year budget plans				170.147
Þ				747 R27	65.426
24,4002 For completion	For completion of prior year budget plans				
				100	
an onot Budget authority (Appropriation)	(Appropriation)			493,033	

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1997

		Budget F CONSTRUC	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	for MILITARY programed)	
Identifi	Identification code 57-3300-0-1-051	1994 actual	1994 actual 1995 est.	1996 est.	1997 est.
d	Program By sectifies:				
00.0101	Major construction Major construction				437,207 9,328 32,417
00.0301	gutungia	1 1 1 1 1 1	1 1 1 1 1 1		
1016.00	Total direct program				478,952
				[	
10.0001	Total				478,952
F 24.4002	Financing: Unobligated balance available, end of year: For completion of prior year budget plans				
1000	Budget suther (Appropriation)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	ı	478,952
1000.04	מומת של המונים ולא ומלים של המונים ולא ומלים של המונים ולא ומלים ו			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1997

Identific	Identification code			1995 est.	1996 est.	1997 est.
Pr	Program by activities: Direct program:					
00.0101	Major construction	truction				4,664 19,209
00.0301	Planning				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 6 1 6
1016.00	Total dire	Total direct program				239,476
			1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1	1 6 1 6
10.0001	Total					239,476
i.	Financing: Unobligated					239,476
24.4002	For comple	For completion of prior year budget plans		1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1
40.0001		Budget authority (Appropriation)				478,952
		1 1 1				

Military Construction, Air Force Program and Financing (in Thousands of dollars) SUMMARY

 			dge t NSTRL	amounts	for MILITARY programed)	1 1 1 1 1 1
Identifi			1994 actual	1995 est.	9	1997 est.
00.0101 00.0201 00.0301 00.0401	Program by activities: Direct program: DI Major construction OI Minor construction OI Planning	es: ton ton vities	. 19 . 88 . 15	400	455,790 9,030 30,835	437,2 9,3 32,4
1016.00	Total direct program	rogram	999,780	516,813	495,655	478,952
10.0001	Reimbursable program Total	gram	999,780	323	495,655	478,952
11.0001 17.0001	Financing: Offsetting collect Federal funds(-) Recovery of prior	suo		-323		
21,4002 21,4003 21,4009 22,0001	Unobligated balance available, For completion of prior year Available to finance new budg Reprograming from/to prior ye Unobligated balance transferrec	start o budget let plan lar budg a to oth	-30,095 -48,191 22,120	-3,029		
24.4002 24.4003 25.0001	For completion of prior ye Available to finance subse Unobligated balance expiring	For completion of prior year budget plans Available to finance subsequent year budget plans obligated balance expiring	3,029			
39.0001		r1ty	66,6	513,784	495,655	478,952
40.0001	9	ant to P.	966,685	516,813	495,655	478,952
43.0001		Appropriation (adjusted)	966,68	3,78	6	78
71.0001 72.1001 72.4001 74.1001 74.4001 77.0001	delation of obligations to outlar obligations incurred Receivables from other governm Obligated balance, start of year Receivables from other governm Obligated balance, end of year Adjustments in expired account Adjustments in unexpired account	ys: entac entac entac nts				
. 90.0001	Outlays (net)	(1)				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Millury Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY

Toger Pre	ication code 57-3300-0-1-051 Program by activities:	1994 actual	1995 est.	1996 est.	1997 est.
Program b Direct 00.0101 Major 00.0201 Minor 00.0301 Plann 00.0401 Suppo 00.9101 Total 01.0101 Reimbur 10.0001 Total 11.0001 Feder 17.0001 Recover 17.0001 Rec	activ				ı
Re Un	Major construction Minor construction Planning Supporting activities	1,073,575 17,126 72,986 7,098	708,536 6,668 42,182 7,338	- 66.	0.328 8,213 9,621
Re Of Un	Total direct program	1,170,785	764,724	617,037	498,449
fra Of Re Un	Reimbursable program	1,170,785	323	617,037	498,449
2 5	nancing: Offsetting collections from: Federal funds(-)	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-323		
	of y pla	-958,518 -30,095	-746,218 -3,029	-498,307	-376,925
21,4009 Repre	Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts	22,120			
5 5	Unobilgated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Unobilgated balance expiring	6,21 3,02 0,04	e.	• 1	357,428
		966,685	513,784		8,95
Budget 40.0001 Appro	Budget authority: Appropriation Reduction pursuant to P.L. 103-307 (-)	966,685	516,813	495,655	478,952
	Appropriation (adjusted)	966,685	e	5,65	8,95
Relation 71,0001 0bilga 72,1001 Receiv	Relation of obligations to outlays: Obligations incurred Receivables from other government accts. SOV	1,170,785 -723 979,575	764,724 -707 1,190,861	617,037	498,449
_	Receivables from other government accts, EOV Obligated balance, end of year Adjustments in expired accounts (net)	707 -1,190,861 -2,134 -6,895	-1,102,143	-978,894	-849,541
	Outlavs (net)	950,454	852,735	740,286	627,802

Military Construction, Air Force Object Classification (in Thousands of dollars) SUMMARY

Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Direct obligations:	1,170,785	764,724	617,037	498,449
199.001 Total Direct obligations	1,170,785	764,724	617,037	498,449
Reimbursable obligations: 232.001 Land and structures		323		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
299.001 Total Reimbursable obligations		323		
999.901 Total obligations	1,170,785	765,047	617,037	498,449
Obligations are distributed as follows:	962,076			398,631
Defense-Military:Army Defense-Military:Navy	104,062	84,549	71,433	59,720 39,812
Oefense-Military:Air Force Department of Transportation	97,5248 7,099		1	286
Total Obligations	1,170,785	 	9	498,449

1 001/201-1-1									
1. COMPONENT	של זטטני	TT TWARY ~~		mrov -	יייייייי	22.14	2	. DAT	re
ATD PODGE		ILITARY CON	_		KUGH	MM			
AIR FORCE	ON AND LOCATION	(computer o	<del>, </del>	MMAND			-	3.01	12 COVER
3. INSTALLATI	ON AND LOCATION		i		ON		]		A CONST
MANGETT ATD T	PODGE DACE ATAR	A 1/ A	•	EDUCATI		WWA ND			T INDEX
	FORCE BASE, ALAB			RAININ			ODER		74
6. PERSONNEL	+	RMANENT		UDENTS		<del></del>	ORTE	_	
STRENGTH	OFF				CIV		·	CIV	
a. As of 30 S	1 1	1	1656			98		420	
b. End FY 200		2597 2239				98	622	420	10,291
		INVENTORY	DATA	(\$000)	· · · · · · · · · · · · · · · · · · ·				
	eage: ( 3,89						_		_
	Total As Of: (							08,44	
	ion Not Yet In	_						36,47	
	ion Requested In	_	_					3,70	
	ion Included In	_	_	am: (	FY 1	997)			0 .
	Next Four Prog	ram Years:		:				34,60	1
g. Remaining								65,80	i
h. Grand Tota							4	49,01	.8
	REQUESTED IN THIS	S PROGRAM:	FY 1	.996					
CATEGORY						COST			STATUS
CODE	PROJECT TIT	<u>LE</u>	<u>s</u>	COPE		(\$000)	<u>. s</u>	TART	CMPL
740-884 CHII	D DEVELOPMENT C	ENTER	3	3,800	SF	3,700	JU	N 94	JUL 95
COM	IPLEX					**			
				TOTAL:		3,700			
	rojects: Inclu						199	7) NC	NE
	Projects: Typica	al Planned	Next	Four Y	ears				
113-321 REPA					LS	•			
610-284 RENC	OVATE MAJOR COMM	AND	7	1,804	SF	5,500	)		
	DQUARTERS								
	TO AND ALTER VI	SITING		16	PN	3,500	)		
	FICERS QUARTERS								
724-417 ALTE					PN	3,600			
	RADE SANITARY AND	O STORM	3	5,000	LF	5,500	)		
	IER SYSTEMS								
	or Major Function		-						
-	Command and Sta	_							
_	ool; College for	_							cion;
	lity Institute;			_					
=	Air Force Histor			_		_			
Reserve Offic	er Training Corp	ps; Headqua	arters	Civil	. Air	Patro	)1; C	ommur	nity
College of th	e Air Force; an	air base v	ving w	ith C-	·21 a	ircraf	t; a	nd ar	n Air
Force Reserve	e airlift wing w	ith one C-1	130 sc	uadror	1.				
11. Outstand	ling pollution a	nd safety	(OSH)	defici	.enci	.es:			
a. Air	pollution:							(	)
b. Wate	r pollution:							(	)
c. Occu	pational safety	and health	<b>1</b> :					(	)
d. Othe	r Environmental	:						(	)

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCT	ION PROJECT DATA
AIR FORCE	(computer generation	ated)
3. INSTALLAT	ION AND LOCATION	4. PROJECT TITLE
		CHILD DEVELOPMENT CENTER
MAXWELL AIR	FORCE BASE, ALABAMA	COMPLEX
5. PROGRAM E	LEMENT 6. CATEGORY CODE 7. PROJ	ECT NUMBER 8. PROJECT COST(\$000)

PNOS943075

740-884

9. COST ESTIMAT	res			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
CHILD DEVELOPMENT CENTER COMPLEX	SF	33,800		2,674
CHILD DEVELOPMENT CENTER	SF	20,200	92	(1,858)
CHILD DEVELOPMENT CENTER ALTERATION	SF	13,600	60	( 816)
SUPPORTING FACILITIES				640
UTILITIES	Ls			( 250)
PAVEMENTS	LS			( 125)
SITE IMPROVEMENTS	LS	•		( 140)
EMCS/COMMUNICATIONS	LS			( <u>125</u> )
SUBTOTAL				3,314
CONTINGENCY (5%)				166
TOTAL CONTRACT COST				3,480
SUPERVISION, INSPECTION AND OVERHEAD (6%)				209
TOTAL REQUEST	•			3,689
TOTAL REQUEST (ROUNDED)				3,700
	<b>I</b> .		i	

10. Description of Proposed Construction: Alter existing child development center facility and construct a new child development center facility. New facility with concrete foundation, masonry walls, structural steel frame, and roof system. Includes utilities, pavements, Energy Monitoring Control System (EMCS), site improvements, and all necessary support.

Air Conditioning: 200 Tons.

8.57.96

11. REQUIREMENT: 36,078 SF ADEQUATE: 2,328 SF SUBSTANDARD: 14,606 SF PROJECT: Alter existing child development center and construct a new child development center. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. These facility requirements are in accordance with the Military Child Care Act of 1989. Child development services are required for a total of 427 dependent children. A properly sized and functionally configured child development center complex is required to provide supervised care and development experience for children ages six weeks through twelve years, including all preschool activities. Multiple facilities are required to comply with the DoD directive establishing the maximum number of children a single facility can support. Adequate child care facilities must be provided to accommodate the special requirements placed on military families and single parents. The programs offered must provide professional care, operate during nonstandard hours, provide services on an hourly, daily, or part-time basis, and provide early developmental care for children.

CURRENT SITUATION: Presently, two child development centers exist capable of supporting a total of 147 children. A small satellite facility supporting 27 children is in adequate condition and will continue to be

3,700

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION  AIR FORCE (computer general	
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA	
4. PROJECT TITLE CHILD DEVELOPMENT CENTER COMPLEX	5. PROJECT NUMBER PNOS943075

The other facility accommodates a maximum of 120 children. attendance at this center averages 120, or 100%. At the present time, 80 children are on the waiting list. The actual number of children not being accommodated is higher because many parents do not bother placing their children on the list once they learn the required waiting period. hundred forty preschool children cannot be supported because their facility was demolished after a DoD inspection declared it unusable. project will result in a child development center cómplex which will serve a total of 400 children. The existing facility is too small and poorly arranged for safe and effective child development support. Storage space is inadequate and layout is poor. Room sizes are too large to meet the required adult-to-child ratio. The existing facility has health and safety hazards because toddlers cannot be closely supervised. Further, a larger and better equipped kitchen along with additional bathroom facilities are needed to properly care for infants and toddlers. facility is currently filled to capacity with 120 children between the ages of six weeks and five years. Homecare is at maximum usage. Off-base day care facilities are limited and normally twice as expensive as on-base facilities placing a financial hardship on junior enlisted personnel. Further, many young families are stationed at Maxwell for short periods, one year or less. This is typically insufficient time to move to the top of waiting lists for community facilities.

IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian workforce. Personnel will be forced to find alternate, more expensive, and unaccredited child care services off the installation. The inability to provide safe and worry-free child care and preschool activities will cause unnecessary stress and financial hardship to those personnel who require these services. Some families will not be able to find affordable child care services, forcing parents to either quit work or place their children with unqualified people.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. An economic analysis has been prepared comparing alternatives of new construction, add to and alter, and status quo operation. Based on the present value and benefits of the respective alternatives, add to and alter was found to be the most cost efficient over the life of the project.

1. COMPONENT			2. DATE	
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA		
AIR FORCE	(computer generated)			
3. INSTALLATIO	ON AND LOCATION			
MAXWELL AIR FO	DRCE BASE, ALABAMA			
4. PROJECT TI		5. PRO	JECT NUM	BER
		200	2042075	
CHILD DEVELOP	MENT CENTER COMPLEX	PNC	28943075	
12. SUPPLEMEN	WTAL DATA:			
12. SUPPLEME	VIAL DATA:			
a. Estimate	ed Design Data:			
(-)	atus:			
	Date Design Started		94 JUN	17
	Parametric Cost Estimates used to develop	costs		N
(C)	Percent Complete as of Jan 1995			35€
(d)	Date 35% Designed.		94 DEC	15
(e)	Date Design Complete		95 JUL	28
(2) Bas	is:			
(a)			МО	
, ,	Where Design Was Most Recently Used -		N/A	
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		15	000
	Production of Plans and Specifications		• .	200
	All Other Design Costs			245 145
· ·	Total			345
	Contract			239
	In-house			205 106
` '				
(4) Con	struction Start		96 .	JAN
	associated with this project will be provide			

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT								7	. DA	ΓE
	1996		ARY CO			PROGE	RAM			
AIR FORCE			puter (	7						
3. INSTALLATION AND L	OCATIO	N		4. C	DMMAND			5		EA CONS
TTT CON ATT TODGE DAG		CV2		, ar				- 1		ST INDE
EIELSON AIR FORCE BAS				<del>}</del>	FIC AI					. 97
6. PERSONNEL STRENGTH			CIV	-	TUDENT:		OFF	PORTE ENL		TOTAL
a. As of 30 SEP 94	+	2760			ENL	CIV	OFF	ENL	1CIV	3,56
b. End FY 2000		2705		ı						3,49
2.00112000	<del></del>		ENTORY		(\$000	1——— )			<u> </u>	3/43
a. Total Acreage: (					<u> </u>			····		
o. Inventory Total As		(30 SI	EP 94)					4	64,81	15
c. Authorization Not	Yet In	Inve	ntory:						13,30	00
d. Authorization Requ	ested	In Th	is Pro	gram:					3,85	0
e. Authorization Incl			_	Progr	am:	(FY 1	1997)		5,47	13
f. Planned In Next Fo		gram :	Years:						1,40	
g. Remaining Deficien	cy:								80,18	
h. Grand Total:								7	69,01	. 9
8. PROJECTS REQUESTED	IN TH	IS PRO	OGRAM:	FY 1	1996					
CATEGORY		m. n		_			COST			STATUS
CODE PROJI	ECT TI	TLE		1	COPE		(\$000	) =	TART	CMPI
721-312 ALTER DORMITO	עמר				16	PN	3,85	O .TI	N Q A	APR 9
721-312 ALIER BORMIN	JKI				TOTAL	_	3,85	_	11 24	APK 3
9a. Future Projects:	Incl	uded	in the	Fo110				~~~	7)	
216-642 CONVENTIONAL					6,200	_			- ,	
MAINTENANCE	SHOP						-,			
890-185 REPAIR UTILI	DOR PI	PE			1,550	LF	2,17	3		
					TOTAL	:	5,47	3		
9b. Future Projects:				Next	Four !	Years	5:			
880-232 UPGRADE FIRE SYSTEMS	SUPPR	ESSIO	N	5	8,906	SF	60	0		
880-232 UPGRADE NOSEI SUPPRESSION				2	26,302	SF	80	0		
10. Mission or Major			A fic	hter	wing v	with	one F	-16 a	nd or	ie
A/OA-10 squadron, and				-	_					
Thunder exercises; an	Air E	ducat	ion and	d Trai	ining (	Comma	and gr	oup t	hat	
conducts Arctic Survi	val Sc	hool;	and an	n Air	Natio	nal G	Suard	KC-13	5 air	<u>:</u>
refueling detachment.										
ll. Outstanding poll	ution	and sa	afety	(OSH)	defic	ienci	les:			
a Niw mallution									c	`
<ul><li>a. Air pollution</li><li>b. Water pollution</li></ul>									2,700	
c. Occupational		v and	heal+i	h:						)
d. Other Environ		_		•••					2,800	
a. Conc. Birrie									_,550	

1. COMPONENT							2.	DATE
	FY	1996 MILIT	ARY CON	NSTRUCI	TION PROJECT	' DAI	A7	
AIR FORCE		(c	omputer	gener	ated)			
3. INSTALLAT	ION AND	LOCATION			4. PROJECT	TITI	LE	
		/					_	
EIELSON AIR E	FORCE BA	SE, ALASKA			ALTER DORMI	TORY	<u> </u>	
5. PROGRAM EI	LEMENT 6	. CATEGORY	CODE 7	7. PROJ	ECT NUMBER	8.	PROJECT	COST(\$000)
2.75.96P		721 <del>-</del> 312		FTQW	1963008			3,850

COCH PERTMATES

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORY (46 PN)				3,302
ALTERATION	SF	32,700	99	(3,237)
AUTOMATIC SPRINKLER PROTECTION	SF	32,700	2	( <u>65</u> )
SUBTOTAL				3,302
CONTINGENCY (10%)				330
TOTAL CONTRACT COST				3,632
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				236
TOTAL REQUEST		;		3,868
TOTAL REQUEST (ROUNDED)				3,850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(172)
				:
				1
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			,	

10. Description of Proposed Construction: Demolish interior walls, finishes, and utilities. Alters existing three-story facility to provide new room-bath-room configuration; includes electrical, structural, and mechanical alterations, entrance lobby, lounge, laundry, basement storage area, and kitchen. Replace windows, minor exterior refinishing, and all other necessary support.

Grade Mix: 25 E5-E6; 21 E7-E9.

11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that promotes proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide both privacy and sufficient community areas are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 46 personnel: 25 E5-E6 and 21 E7-E9, with a maximum utilization of 92 personnel.

CURRENT SITUATION: The facility to be altered was constructed in 1953 and the last renovation was in 1980. The floor plan includes both private and semi-private bathrooms, but none of the rooms meet space requirements as specified in Military Handbook 1190, "Facility Planning and Design Guide". Lighting is inadequate, rooms are poorly ventilated during summer months, and the windows are energy inefficient. Awkward floor plans have no storage within the rooms and there is no central storage.

Asbestos-containing materials can be found in piping insulation, floor tiles, and concrete asbestos wall board. The dormitory occupancy rate

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
	ION AND LOCATION FORCE BASE, ALASKA	
4. PROJECT T	ITLE 5. F	PROJECT NUMBER
ALTER DORMITO	ORY r	EMOMB 6 3 0 0 0

exceeds 96 percent. E-6 and above are authorized to live off-base due to inadequate dormitory space; however, off-base properties are distant and in limited supply, as documented in the recent Housing Market Analysis. <a href="IMPACT IF NOT PROVIDED">IMPACT IF NOT PROVIDED</a>: Substandard living conditions will continue to degrade the morale, productivity, and career satisfaction of the enlisted force. Demand for acceptable off-base quarters will continue to exceed availability. Quarters allowance alone will exceed \$364,000 per year to house airmen off-base.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. This project is part of a comprehensive program to upgrade all dormitories within a single, centrally-serviced area. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing, and status quo. Based on the present value and benefits of the respective alternatives, revitalization was found to be the most cost-effective over the life of the project. This is a candidate project for a Comprehensive Interior Design (CID) package. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection systems for this project is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT				2. DATE
	FY 1996 MILITARY			
AIR FORCE	ON AND LOCATION	ter generated	1)	
3. INSTALLATI	ON AND LOCATION			
EIELSON AIR E	ORCE BASE, ALASKA			
4. PROJECT T			5. P	ROJECT NUMBER
ALTER DORMITO	RY		F	TQW963008
12. SUPPLEME	NTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	; atus:			
, ,	Date Design Started			94 JUN 01
	Parametric Cost Est	imates used t	o develop costs	Y
	Percent Complete as		-	35%
(d)	Date 35% Designed.			94 DEC 30
(e)	Date Design Complete	€		96 APR 01
(2) Ba	eie.			
, , ,	Standard or Definit:	ive Design -		NO
1 ' '	Where Design Was Mos	-	Jsed -	N/A
(3) To	tal Cost (c) = (a) + (	(b) or (d) +	(e):	(\$000)
	Production of Plans			222
	All Other Design Cos	sts		125
, ,	Total			347
	Contract			247
(e)	In-house			347
(4) Co	nstruction Start			96 JUN
b. Equipment other appropr	associated with this iations:	project will	be provided fro	m
			FISCAL YEAR	
EQU	I PMENT I	PROCURING	APPROPRIATED	COST
		PROPRIATION	OR REQUESTED	(\$000)
DORMITORY EQU	IPMENT	3080	1996	172

1. COMPONENT	EV 1	006	WTT TMT		NC D D L L	TON 1	DDOGI		:	2. DA	re
AIR FORCE	FI I	סככ ו		outer o		CTION :	PROGI	KAM			
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6. PERSONNEL			ERMANE			UDENT			PORT		
STRENGTH	<del>-</del>						CIV			CIV	TOTAL
a. As of 30 S				1047				82		2 535	
b. End FY 200	l l		6268					82	172	2 535	
		7	. INVE	ENTORY	DATA	(\$000	)				
a. Total Acre	age: (							· · · · · · · · · · · · · · · · · · ·			
b. Inventory	_		-	EP 94)					4	489,50	)6
c. Authorizat	ion Not Ye	t In	Inver	tory:						59,95	55
đ. Authorizat	ion Request	ted :	In Thi	s Pro	gram:					9,10	00
e. Authorizat	ion Include	ed I	n Foll	owing	Progr	am:	(FY ]	L99 <b>7</b> )		16,60	00
f. Planned In								•		36,49	,
g. Remaining									2	239,91	12
h. Grand Tota	1:									851,57	72
8. PROJECTS F	EQUESTED I	N TH	IS PRO	GRAM:	FY :	1996					
CATEGORY								COST	DI	ESIGN	STATUS
CODE	PROJEC'	T TI	TLE		5	COPE		(\$000)	2 5	START	CMPL
					_						
112-211 REPA											
131-132 MILS		ICAT:	IONS G	ROUND		600	SF	850	) Ji	JN 93	JUL 99
_	MINAL										
724-417 VISI	TING OFFIC	ERS (	QUARTE	CRS						PR 94	SEP 9
^ <b>n</b>		<del> 1</del>	- 1 - 1 :			TOTAL					
9a. Future P	-					_	_	-		97)	
141-753 ADAL	CRAFT MAIN			•		1,000	2t	14,500	,		
AIR 871-183 UPGR							TC	2,100	`		
8/1-183 UPGR	ADE STORM	DIVITI	WAGE 2	)ISIEM		TOTAL	-	16,600	-		
9b. Future P	rojects: '	Typi	cal Pl	anned	Nevt						
112-211 WIDE		- 1 - 1		annea				1,500	n		
121-111 POL		/VEH	TCLE E	PARKTNO							
121-122 REPL											
	SE II			01012.	•			20,00			
141-181 AIRC		ER SI	HELTER	S PHI	T	6	EA	12,000	0		
10. Mission				*****				<del> </del>		Alas	ka
NORAD Region											
F-15C/D squad											
aircraft), an			_					_			major
activities in			_								
squadron and					•	•	_	•		-	
	ing pollut				(OSH)	defic	ienc	ies:			
	pollution:										0
	r pollution									9,10	_
	pational sa		_	healt	h:						0
d. Othe	r Environme	enta.	1:							2,00	ט
d. Othe	r Environme	enta:	1:							2,00	0

1. COMPONENT					2	. DATE
	FY 1996	MILITARY CO	ONSTRUCT	CION PROJECT	DATA	
AIR FORCE		(compute	er gener	ated)		
3. INSTALLAT	ON AND LOCA	TION		4. PROJECT	<b>PITLE</b>	
ELMENDORF AIR	R FORCE BASE	, ALASKA		VISITING OF	FICERS QUAR	TERS
5. PROGRAM EI	LEMENT 6. CA	TEGORY CODE	7. PROJ	ECT NUMBER	8. PROJECT	COST(\$000)
2 75 060		124-417	EVED	9963001		7 350

9. COST ESTIMATE	, S			I
			TINU	COST
ITEM	U/M	QUANTITY	COST	(\$000)
VISITING OFFICERS QUARTERS (80 PN)				6,156
VISITING OFFICERS QUARTERS	SF	38,000	160	(6,080)
AUTOMATIC SPRINKLER PROTECTION	SF	38,000	2	( 76)
SUPPORTING FACILITIES	1			420
UTILITIES	LS			( 90)
SITE IMPROVEMENTS	LS			( 20)
PAVEMENTS	LS	·		( 170)
COMMUNICATIONS SUPPORT	LS			(140)
SUBTOTAL				6,576
CONTINGENCY (5%)				329
TOTAL CONTRACT COST	1			6,905
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)	<u> </u>			449
TOTAL REQUEST				7,354
TOTAL REQUEST (ROUNDED)	1			7,350
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(500)

- 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, and roof system. Includes interior entrances to room, laundry area, connection to the central heat plant, water, sewer, and electric. Provide adequate parking, exterior lighting, interior fire protection, television and telephone connections in each room, and all necessary support.

  Grade Mix: 80 01-03.
- 11. REQUIREMENT: 174 PN ADEQUATE: 94 PN SUBSTANDARD: 0

  PROJECT: Construct a visiting officers quarters (VOQ). (Current Mission)

  REQUIREMENT: This is a Level I Commander's Facility Assessment

  requirement. Aircrew and maintenance officers deployed for Exercise Cope

  Thunder and routine transient officers require housing that will ensure

  proper rest, relaxation, and personal well-being. Properly designed and

  furnished quarters which provide individual privacy are essential to

  assure the successful accomplishment of the increasingly complicated jobs

  these people must perform.

CURRENT SITUATION: There is a severe shortage of visiting officers quarters at Elmendorf AFB during Cope Thunder exercises. In 1992, the VOQ occupancy rate routinely exceeded 100% occupancy during Cope Thunder exercises. Due to the severe Alaskan winters, Cope Thunder exercises are scheduled during the spring, summer, and fall months. This schedule coincides with the peak of the Alaskan tourist season. Hotels in the Anchorage area are reserved to capacity months in advance. As a result, officers participating in the exercises are doubled up in rooms designed for single occupancy, while other transient officers and permanently assigned officers arriving or departing Elmendorf AFB are issued non-availablity statements. Elmendorf has been unable to obtain contract

1. COMPONENT FY AIR FORCE	1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND ELMENDORF AIR FORCE		
4. PROJECT TITLE VISITING OFFICERS QU		PROJECT NUMBER FXSB963001

quarters. Local hotels are unwilling to reserve rooms at Government rates due to the heavy tourist influx. Often, even with non-availability statements, transient officers are unable to find rooms at any price. It is not uncommon to find these people sleeping in their automobiles or VOQ office lobbies because no suitable rooms are available off-base. Elmendorf's VOQ shortage has been further compounded by the addition of a new fighter squadron in 1991. The number of Cope Thunder participants is limited by the lack of VOQ space.

IMPACT IF NOT PROVIDED: Insufficient on-base billeting space will continue to force officer aircrew members to share rooms designed for single occupancy. This situation will degrade aircrew rest schedules and decrease the morale and proficiency of exercise participants. Other visiting officers will continue to be issued non-availability statements to search for off-base quarters at rates of over \$100 per night during the peak tourist season.

ADDITIONAL: This project meets the criteria/scope specified in Part II of MIL-HNBK 1190, "Facility Planning and Design Guide". All known alternative options were considered during the development of this project. A preliminary analysis of reasonable options for accomplishing this project (new construction, revitalization, and status quo) was done. It indicates there is only one option that will meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT				2. DATE
		ARY CONSTRUCTION		TA .
AIR FORCE		omputer generated	1)	
3. INSTALLAT	ION AND LOCATION			
		7/3		
4. PROJECT T	R FORCE BASE, ALAS	KA		5. PROJECT NUMBER
4. PROJECT I	1116			5. PROJECT NUMBER
VISITING OFF	ICERS QUARTERS			FXSB963001
12. SUPPLEME	ENTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:			
	Date Design Sta	rted		94 APR 25
(b)	Parametric Cost	Estimates used t	o develop o	costs Y
	Percent Complet		•	35%
	Date 35% Design			94 DEC 15
(e)	Date Design Com	plete		95 SEP 15
(2) Ba	nsis:			
, ,	Standard or Def.	initive Design -		NO
(b)	Where Design Was	s Most Recently U	sed -	N/A
(3) To	otal Cost (c) = (a	) + (b) or (d) +	(e):	(\$000
	Production of P			440
	All Other Design	n Costs		374
1 ' '	Total			814
1	Contract			014
(e)	In-house			814
(4) Co	nstruction Start			96 FEB
b. Equipment	associated with t	this project will	be provide	ed from
other appropr	iations:			
			FISCAL Y	EAR
EQU	IPMENT	PROCURING	APPROPRIA	
!	NCLATURE	APPROPRIATION	OR REQUES	TED (\$000)
		2400		
VOQ FURNITURE		3400	1997	500

ALASKA PACIFIC AIR FORCES 1.85 6. PERSONNEL PERMANENT STUDENTS SUPPORTED	1. COMPONENT	EV	1996	MILIT	NPV COI	NETRI	OTT ON	DDOGI	22.14	[2	2. DA	TE	
3. INSTALLATION AND LOCATION TIN CITY LONG RANGE RADAR SITE, ALASKA 6. PERSONNEL STRENGTH A. As of 30 SEP 94 b. End FY 2000  7. INVENTORY DATA (\$000)  A. Authorization Not Yet In Inventory: A. Authorization Requested In This Program: Authorization Included In Following Program: (FY 1997)  G. Remaining Deficiency: A. Grand Total: B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE PROJECT TITLE SCOPE SCOP SCOPE S	AIR FORCE	FI	1990					PROGI	KAM				
TIN CITY LONG RANGE RADAR SITE,  ALASKA 6. PERSONNEL  STRENGTH  A. As of 30 SEP 94  b. End FY 2000  7. INVENTORY DATA (\$000)  a. Total Acreage: ( 723) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory:		ON AND LO	CATIO		F	Ţ				5	ARI	EA CONS	
### ALASKA   PACIFIC AIR FORCES   1.85   6. PERSONNEL   PERMANENT   STUDENTS   SUPPORTED   a. As of 30 SEP 94   D. End FY 2000   T. INVENTORY DATA (\$000)  a. Total Acreage: ( 723) b. Inventory Total As of: (30 SEP 94) c. Authorization Not Yet In Inventory:											COST INDEX		
PERMANENT   STUDENTS   SUPPORTED						PACI	FIC AI	R FOI	RCES				
7. INVENTORY DATA (\$000)  a. Total Acreage: ( 723) b. Inventory Total As Of: (30 SEP 94)	6. PERSONNEL		1	PERMAN:	ENT	S'	TUDENT	s	SUE	PORTE	ED		
7. INVENTORY DATA (\$000)  a. Total Acreage: ( 723) b. Inventory Total As Of: (30 SEP 94)	STRENGTH	]	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
7. INVENTORY DATA (\$000)  a. Total Acreage: ( 723) b. Inventory Total As Of: (30 SEP 94)	a. As of 30 SE	EP 94											
a. Total Acreage: ( 723) b. Inventory Total As Of: (30 SEP 94) 13,801 c. Authorization Not Yet In Inventory: 0 d. Authorization Requested In This Program: 2,500 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 f. Grand Total: 16,301 g. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESIGN STATUS CODE PROJECT TITLE SCOPE (\$000) START CMPI  411-134 ABOVEGROUND FUEL STORAGE TANKS 13 EA 2,500 JUN 94 OCT 9 TOTAL: 2,500 ga. Future Projects: Included in the Following Program (FY 1997) NONE gb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: A long range radar site. 11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	D. End FY 2000	)		<u> </u>	<u> </u>								
D. Inventory Total As Of: (30 SEP 94)  C. Authorization Not Yet In Inventory:  C. Authorization Requested In This Program:  C. Authorization Requested In This Program:  C. Authorization Included In Following Program: (FY 1997)  C. Authorization Included In Following Program: (FY 1997)  C. Planned In Next Four Program Years:  C. C. C. Remaining Deficiency:  C. C. Authorization Included In Following Program: (FY 1997)  C. Remaining Deficiency:  C. C			•	7. INV	ENTORY	DATA	(\$000	)					
c. Authorization Not Yet In Inventory:  d. Authorization Requested In This Program:  e. Authorization Included In Following Program: (FY 1997)  f. Planned In Next Four Program Years:  f. Og. Remaining Deficiency:  f. Grand Total:  f. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  (SOU0)  START CMPI  TOTAL:  7,500  Future Projects: Included in the Following Program (FY 1997) NONE  D. Future Projects: Typical Planned Next Four Years:  10. Mission or Major Functions: A long range radar site.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0		-		•									
Authorization Requested In This Program:  2,500  2, Authorization Included In Following Program: (FY 1997)  6, Planned In Next Four Program Years:  9, Remaining Deficiency:  10, Grand Total:  13, PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  TOTAL:  2,500  PROJECT TITLE  SCOPE  TOTAL:  2,500  PROJECT:  TOTAL:  2,500  DESIGN STATUS  START CMPI  TOTAL:  2,500  DESIGN STATUS  TOTAL	<del>-</del>			•							13,80	)1	
e. Authorization Included In Following Program: (FY 1997)  f. Planned In Next Four Program Years:  g. Remaining Deficiency:  h. Grand Total:  3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  TOTAL:  2,500  PROJECT TITLE  SCOPE  TOTAL:  2,500  PROJECT TITLE  PROJECT TITLE  SCOPE  TOTAL:  2,500  PROJECT STATUS  TOTAL:  2,5					-							_	
f. Planned In Next Four Program Years:  g. Remaining Deficiency:  h. Grand Total:  3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  TOTAL:  2,500  PROJECT:  TOTAL:  2,500  PROJECT:  TOTAL:  CODE  PROJECT:  TOTAL:  CODE  PROJECT:  TOTAL:  CODE  PROJECT:  TOTAL:  CODE  Remaining Deficiency:  TOST  TOST  TOTAL:  CODE  TOTA		_			-	-					2,50	00	
g. Remaining Deficiency:  h. Grand Total:  3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  TOTAL:  2,500  TOTAL:  2,500  PROJECT:  Total:  Total					_	Progr	cam:	(FY 1	.997)			0	
A. Grand Total:  B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  TOTAL:  2,500  TOTAL:  2,500  Future Projects: Included in the Following Program (FY 1997) NONE  Db. Future Projects: Typical Planned Next Four Years:  10. Mission or Major Functions: A long range radar site.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0				ogram :	Years:		2						
CODE PROJECT TITLE SCOPE (\$000) START CMPI  411-134 ABOVEGROUND FUEL STORAGE TANKS 13 EA 2,500 JUN 94 OCT 9  TOTAL: 2,500  Ba. Future Projects: Included in the Following Program (FY 1997) NONE  Bb. Future Projects: Typical Planned Next Four Years:  10. Mission or Major Functions: A long range radar site.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:			:y:								16.00	•	
CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  START CMPI  411-134 ABOVEGROUND FUEL STORAGE TANKS  TOTAL:  2,500  TOTAL:  2,500  Page 1997) NONE  Bb. Future Projects: Included in the Following Program (FY 1997) NONE  Bb. Future Projects: Typical Planned Next Four Years:  10. Mission or Major Functions: A long range radar site.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0			TN MI	ITC DD	OCDANA	EV 1	006				16,30	)1	
CODE PROJECT TITLE SCOPE (\$000) START CMPI  411-134 ABOVEGROUND FUEL STORAGE TANKS 13 EA 2,500 JUN 94 OCT 9  TOTAL: 2,500  Pa. Future Projects: Included in the Following Program (FY 1997) NONE  Bb. Future Projects: Typical Planned Next Four Years:  10. Mission or Major Functions: A long range radar site.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:		QUESTED	IN TI	115 PK	JGRAM:	ry 1	1996		COST	. DE	CTON	CM3 MILC	
All-134 ABOVEGROUND FUEL STORAGE TANKS  13 EA 2,500 JUN 94 OCT 9  TOTAL: 2,500  2a. Future Projects: Included in the Following Program (FY 1997) NONE  2b. Future Projects: Typical Planned Next Four Years:  10. Mission or Major Functions: A long range radar site.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0		PPO.TE	ירי יי	TT.F			COPE		_				
TOTAL: 2,500  Pa. Future Projects: Included in the Following Program (FY 1997) NONE  Pb. Future Projects: Typical Planned Next Four Years:  10. Mission or Major Functions: A long range radar site.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	CODE	INOUL		LIBE		-	JCOF E		13000	7 3	IAKI	CMPL	
Bb. Future Projects: Typical Planned Next Four Years:  O. Mission or Major Functions: A long range radar site.  Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	111-134 ABOVE	GROUND F	TUEL S	STORAGI	E TANKS	5		_		_	N 94	OCT 9	
10. Mission or Major Functions: A long range radar site. 11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	a. Future Pr	ojects:	Inc	luded :	in the	Follo	owing 1	Progr	am (F	Y 199	7) NO	NE	
a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0 0 0													
a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0													
b. Water pollution: 0 c. Occupational safety and health: 0	ll. Outstandi	ng pollu	ition	and sa	afety (	(OSH)	defici	Lenci	es:				
b. Water pollution: 0 c. Occupational safety and health: 0											_		
c. Occupational safety and health: 0													
		_		204	hoalek								
d. Scher Bivitoimental.				-	nearci	11					_		
	u. Other	Envilon	enca	11.								,	
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1. COMPONENT				2.	DATE
	FY 1996 MILITARY C	ONSTRUCTION PRO	JECT DATA	١.	
AIR FORCE	(comput	er generated)			
3. INSTALLATION A	3. INSTALLATION AND LOCATION 4. PROJECT TITLE				
TIN CITY LONG RAN	GE RADAR SITE, ALA	SKA ABOVEGR	OUND FUEL	STORAG	E TANKS
5. PROGRAM ELEMEN	T 6. CATEGORY CODE	7. PROJECT NUM	BER 8. P	ROJECT	COST(\$000)
			İ		
2.74.56P	411-134	WWXD933027			2,500
	9. cos:	r Estimates			
				UNIT	COST
	TTFM	111/м (	OUDNITTY	COST	(\$000)

9. COST ESTIMAT	ES	,	,-	
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ABOVEGROUND FUEL STORAGE TANKS	EA	13		1,839
ABOVEGROUND STORAGE TANKS	EA	11	144,450	(1,589)
TANK REMOVAL/DISPOSAL	EA	2	125,000	( 250)
SUPPORTING FACILITIES				315
UTILITIES	LS			( 195)
SOIL REMEDIATION	LS			( 75)
SITE IMPROVEMENTS	LS	:		(45)
SUBTOTAL				2,154
CONTINGENCY (10%)				215
TOTAL CONTRACT COST				2,369
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				154
TOTAL REQUEST				2,523
TOTAL REQUEST (ROUNDED)				2,500
				,
			]	
	1 1			

10. Description of Proposed Construction: Remove two aboveground storage tanks (ASTs); relocate bulk storage area and install eleven 30,000 gallon ASTs. Downsize total fuel storage capacity below 10,000 barrels. Includes tank removal and disposal, new piping, site work, utilities, soil remediation, and all necessary support work.

11. REQUIREMENT: As required.

PROJECT: Remove and replace aboveground fuel storage tanks. (Current
Mission)

REQUIREMENT: This is a Level II environmental compliance project. Upgrade of ASTs regulated by 18 Alaska Administrative Code 75 is required by January 1997. The state has set standards that require all regulated tanks to have a leak detection system, cathodic protection, liner, overfill protection, and secondary containment. Alaska Statute Title 46 requires oil terminal facilities with noncrude oil storage capacities greater than 10,000 barrels to have a plan, the necessary personnel, and equipment to control and clean up a discharge equal to the capacity of the largest oil tank within 72 hours. This project removes and disposes of two 492,000 gallon tanks and associated piping; installs eleven 30,000 gallon self-contained tanks at the new bulk fuel storage area. New pipe must be installed to meet new storage configuration and to replace deteriorating lines.

CURRENT SITUATION: Two 492,000 gallon storage tanks are located on a 250 foot plateau overlooking the Bering Straits. The tanks have no leak detection, overfill protection, or cathodic protection. Most of the fuel lines are underground with no cathodic protection. The location of the tanks poses a serious environmental problem. Should a leak or spill occur, it could go undetected causing catastrophic environmental damage.

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

TIN CITY LONG RANGE RADAR SITE, ALASKA

4. PROJECT TITLE

5. PROJECT NUMBER

Each tank individually exceeds 10,000 barrels, triggering greater contingency response requirements. Minimal site manning and extreme arctic weather make it impossible to meet strict state requirements for inspection and contingency response.

ABOVEGROUND FUEL STORAGE TANKS

IMPACT IF NOT PROVIDED: Without this project, the potential for environmental contamination will remain high in the event of a leak or spill. After January 1997, the Air Force will be subject to monetary penalties, and litigation could result in forced compliance and remediation. Unless the total storage capacity is reduced below 10,000 barrels, the site will be unable to meet strict contingency response requirements; further, additional on-site personnel would be required at an estimated annual cost of over \$400,000, subject to state approval. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, repair, and replacement construction) was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

WWXD933027

1. COMPONE	NT		2. DATE	
1. 000	FY 1996 MILITARY CONSTRUCTION PROJECT DATA		2	
AIR FORCE	(computer generated)			
	ATION AND LOCATION			
TIN CITY I	ONG RANGE RADAR SITE, ALASKA			
4. PROJECT TITLE			5. PROJECT NUMBER	
ABOVEGROUND FUEL STORAGE TANKS			WWXD933027	
10 00000				
12. SUPPI	EMENTAL DATA:			
a Pati	ented Design Dates			
a. Esti	nated Design Data:			
(1)	Status:			
(-)	(a) Date Design Started		94 JUN 15	
	(b) Parametric Cost Estimates used to develo	op costs	Y	
	(c) Percent Complete as of Jan 1995 :	•	35%	
	(d) Date 35% Designed.		94 DEC 30	
	(e) Date Design Complete		95 OCT 15	
(2)	Basis:			
(-)	a) Standard or Definitive Design -		NO	
	b) Where Design Was Most Recently Used -		N/A	
425				
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)	
	a) Production of Plans and Specifications		120	
	<ul><li>b) All Other Design Costs</li><li>c) Total</li></ul>		135	
	d) Contract		255	
	e) In-house		255	
	e) In nouse		255	
(4)	Construction Start		96 FEB	
. ,				
	C			
b. Equipment associated with this project will be provided from				
other appro	priations: N/A			

								٦	220	
1. COMPONENT					<b>-</b>			2	. DAT	Œ
_	FY 1996	MILITARY				ROGE	KAM			
AIR FORCE		(compute						-+=	ADE	A CONS
3. INSTALLATION	4. 00	DMMAND					T INDEX			
DAVIS-MONTHAN A	IR FORCE BAS	E,		3 TD (	OMPAG	COM	(AND	1		96
ARIZONA		DDV/ANDVID			OMBAT			PORTE		90
6. PERSONNEL		ERMANENT ENL CI	.,,		UDENTS ENL				,	TOTAL
STRENGTH	<del></del>			OFF	FINT	CIV	10		400	
a. As of 30 SEP		4813 14		1			10		400	7,590
o. End FY 2000		4987 12 . INVENTO		D 7 (17)	(5000)		101	40	1400	7,390
			INI	DAIA	(\$000)					· · · · · · · · · · · · · · · · · · ·
a. Total Acreag			111					2:	81,21	7
o. Inventory To									13,75	
. Authorizatio	n Not Yet Ir	Inventor	. y .	·~~~					4,80	
d. Authorizatio e. Authorizatio	n Requested	in inis r	na	Drogr	-am• /	ו ביע	9971		4,50	
e. Authorizatio f. Planned In N				Progr	ani.	(11 1	. , , ,		6,71	
		gram rear							37,48	
g. Remaining De h. Grand Total:									48,47	
8. PROJECTS REQ		ITS PROCES	- M -	FY 1	996	~			10/1/	
	OESTED IN II	IIS PROGRE	111.		.,,,		COST	DE	STGN	STATUS
CATEGORY	PROJECT TI	का.म		9	COPE		(\$000)		TART	CMPL
CODE	PROSECT TI	100		=	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		75000	L =-		
211-159 ALTER		ROSION		1	18,650	SF	1,000	ט ע	N 94	JUL 9
	OL FACILITY				88	DNI	3,800	יווד. ר	N 94	JUL 9
721-312 DORMIT	ORI				TOTAL	-	4,800	-	14 74	001 ).
9a. Future Pro	idente: Incl	uded in t	he	Follo					7)	-
91. Fucule Plo 211-175 AIRCRA							4,500		•	
ZII 175 RIKUKA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				TOTAL	-	4,500			
9b. Future Pro	niects: Typi	cal Planr	ned	Next	Four '	ears				
211-159 CORROS					15,400		2,700	0		
216-642 ADD TO	AND ALTER O		NAL		8,100	SF	64	7		
441-628 SUPPLI		HED DEPO	r		9,000	SF	873	2		
880-232 FOAM F		, 52- 5-		13	36,435		2,500	0		
10. Mission or	Major Funct	ions: He	eado						wind	with
two fighter tra	ining squad	ons respo	onsi	ible :	for tr	aini	ng all	A/OA	. 10	
aircrews, one A	/OA-10 fight	er squad:	ron,	, two	EC-13	0 ele	ectron	ic co	mbat	
squadrons, and	one EC-130 a	airborne d	comn	mand a	and co	ntro.	l squa	dron;	an i	Air
Force Reserve H	H-60 rescue	squadron	; ar	n Air	Natio	nal (	Guard	air d	efen	se
detachment (F-1	6 aircraft)	and Air	For	cce Ma	aterie	l Co	mmand'	s Aer	ospa	ce
Maintenance and										
	ng pollution			(OSH)	defic	ienc	ies:			
			_							
a. Air po	ollution:								1,50	0
-	pollution:								5,49	0
	tional safe	y and hea	alth	h:						0
-	Environment	_								0

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION 4. PROJECT TITLE	
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA DORMITORY	
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT N	JECT COST(\$000)
	•

9. COST ESTIMA	res	,	· · · · · · · · · · · · · · · · · · ·	
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
DORMITORY (88 PN)	LS			2,870
DORMITORY	SF	31,200	90	(2,808)
AUTOMATIC SPRINKLER SYSTEM	SF	31,200	2	( 62)
SUPPORTING FACILITIES	ļ			560
UTILITIES	LS			( 265)
PAVEMENTS	LS			( 140)
SITE IMPROVEMENTS	LS	]		( 155)
SUBTOTAL				3,430
CONTINGENCY (5%)		1		172
TOTAL CONTRACT COST				3,602
SUPERVISION, INSPECTION AND OVERHEAD (6%)		1		216
TOTAL REQUEST		' <u> </u>	1	3,818
TOTAL REQUEST (ROUNDED)				3,800
		}		•
		ľ		

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Construct exterior site improvements to include lighting, recreation area with shelter, volleyball court.

Air Conditioning: 150 Tons. Grade Mix: 88 E1-E4.

721-312

11. REQUIREMENT: As required.

2.74.19

PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The dormitory is needed to support the new mission beddown of EC-130s which arrived July 1994. Estimated intended utilization is 88 personnel: 88 El-E4, with a maximum utilization of 88 personnel.

CURRENT SITUATION: The base has insufficient facilities to accommodate the increased requirement for unaccompanied enlisted personnel housing. This requirement is a direct result of the increase in manpower resulting from the beddown of the new wing. Local off-base rentals and the cost of utilities are too expensive for junior enlisted personnel.

IMPACT IF NOT PROVIDED: A sufficient number of on-base living quarters will not be available to meet the housing requirement for unaccompanied enlisted personnel. Personnel will be forced to live off-base which will result in a higher cost for housing. This condition will continue to contribute to low morale, reduced productivity, and dissatisfaction with

3,800

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A	2. DF	ATE	
AIR FORCE (computer generated)	••	İ		
3. INSTALLATION AND LOCATION  DAVIS-MONTHAN AIR FORCE BASE, ARIZONA				_
4. PROJECT TITLE	5.	PROJECT	NUMBER	_
DORMITORY		FBNV9530	009	

Air Force life for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

I. COMPON.	ENT			2. DAT	Έ
	Ì	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA		
AIR FORCE		(computer generated)		<u> </u>	
3. INSTAL	LATIC	N AND LOCATION			
		AIR FORCE BASE, ARIZONA	· y · · · · · · · · ·		
4. PROJEC	T TII	LE	5. PR	OJECT N	UMBE
DORMITORY		, the state of the	FBI	1795300	9
12. SUPP	LEMEN	TAL DATA:			
a. Est	imate	d Design Data:			
(1)	Sta	:			
(-)		Date Design Started		94 .T	UN OI
		Parametric Cost Estimates used to develop	costs	74 0	011 0 <u>1</u>
		Percent Complete as of Jan 1995			35%
		Date 35% Designed.		94 A	UG 30
		Date Design Complete		••	UL 30
	(-,			,,,,	·
(2)	Bas	is:			
	(a)	Standard or Definitive Design -		YES	
	(p)	Where Design Was Most Recently Used -		DAV	IS-MC
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):			(\$000
	(a)	Production of Plans and Specifications			228
	(b)	All Other Design Costs			114
	(C)	Total			342
		Contract			228
	(e)	In-house			114
(4)		struction Start			6 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT		1006	WTT TE	NDV CC	v cmpti o	TON	DROCE	M &		2.	DAI	E	
NTD BODGE	FY	TAA9		ARY COM			-KUG1	TATA					
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3. INSTALLATI	ON AND LC	CAIIC	)IN			DUCAT				COST INDEX			
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LUKE AIR FORCE.  5. PERSONNEL	E DASE, F		PERMANI	TNT	<del></del>	UDENT			POR	TED	Ť		
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o. End FY 200		583		1070	1 1		1 1	1		40 1	- 1	6,4	
7. Elia F1 200				ENTORY		(5000	1)						
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o. Inventory		-	•	EP 94)						264	,80	)6	
c. Authorizat										21	,10	0	
d. Authorizat					gram:					5	, 20	0	
e. Authorizat	ion Inclu	ided 1	In Fol	lowing	Progr	am:	(FY 1	.997)				0	
f. Planned Ir					_		•	•		4	,40	00	
g. Remaining			•							23	,50	00	
n. Grand Tota		•								319	,00	)6	
B. PROJECTS F		IN T	HIS PRO	OGRAM:	FY 1	996							
CATEGORY	_							cos	r	DESI	GN	STATU	S
CODE	PROJE	ECT T	ITLE		5	COPE		(\$000	<u>)</u>	STA	RT	CME	L
721-312 DOR	<b>MITORY</b>					108	PN _	5,20		AUG	93	MAY	95
						TOTAL		5,20					
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9a. Future 1	Projects:	Inc.	luded	<u>in the</u>	FOIIC	willid	FIUGI	am (	<u> </u>	/	110		
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9b. Future l	Projects: Projects: TO BASE S	Тур	ical P	lanned	Next	Four L5,000	Years	1,20	00		110	4.00	
9b. Future I 442-758 ADD 740-675 RECI	Projects: TO BASE S REATION L	Typ: SUPPL! IBRAR!	ical P Y WARE Y	lanned HOUSE	Next	Four 15,000 28,000	Years ) SF ) SF	1,20 3,20	00				
9b. Future I 442-758 ADD 740-675 RECI 10. Mission	Projects: TO BASE S REATION LI or Major	Typ: SUPPL! IBRAR! Funct	ical P Y WARE Y tions:	lanned HOUSE A fi	Next ] ghter	Four 15,000 28,000 wing	Years SF with	1,20 3,20 six	00 00 F-16	squ	adı		
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible	Projects: TO BASE S REATION LI or Major For trains	Typ: SUPPL! IBRAR! Functing a	ical P Y WARE Y tions: ll F-1	lanned HOUSE A fi	Next  ghter rews;	Four 15,000 28,000 wing an F-	Years SF SF with -16 fi	1,20 3,20 six 1	00 00 F-16 r tr	squ	adr ng	ons	
9b. Future 1442-758 ADD 740-675 RECI 10. Mission responsible squadron that	Projects: TO BASE SEATION LE Or Major For trains	Typ: SUPPL! IBRAR! Functing al	ical P Y WARE Y tions: ll F-l ining	lanned HOUSE A fid 6 airc for Si	Next  ghter rews; ngapon	Four 15,000 28,000 wing an F-	Years SF SF with 16 fi	1,20 3,20 six lighte: ce ai:	00 00 F-16 r tr	squ aini ws;	adr ng an	ons Air	
9b. Future 1442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman	Projects: TO BASE S REATION LI or Major for train: conducts ad air con	Typ: SUPPLY IBRARY Functing all ing all straintrol	ical P Y WARE Y tions: ll F-l ining squad	lanned HOUSE A fid 6 airc for Si	Next  ghter rews; ngapon	Four 15,000 28,000 wing an F-	Years SF SF with 16 fi	1,20 3,20 six lighte: ce ai:	00 00 F-16 r tr	squ aini ws;	adr ng an	ons Air	
9b. Future 1442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or	Projects: TO BASE S REATION LI OR Major For trains conducts ad air con he F-16 so	Typ: SUPPLY IBRARY Functing a. s traintrol quadro	ical P Y WARE tions: ll F-l ining squad	lanned HOUSE A fid 6 airc for Si ron; a	Next  ghter rews; ngapor nd an	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an	ons Air	
9b. Future 1442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or	Projects: TO BASE S REATION LI or Major for train: conducts ad air con	Typ: SUPPLY IBRARY Functing a. s traintrol quadro	ical P Y WARE tions: ll F-l ining squad	lanned HOUSE A fid 6 airc for Si ron; a	Next  ghter rews; ngapor nd an	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an	ons Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible s squadron that Combat Comman group with or	Projects: TO BASE SEATION LE OR Major for trains conducts ad air con he F-16 so	Typ: SUPPL! IBRAR! Functing a. s tra. ntrol quadro	ical P Y WARE tions: ll F-l ining squad	lanned HOUSE A fid 6 airc for Si ron; a	Next  ghter rews; ngapor nd an	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	cons Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible s squadron that Combat Comman group with or 11. Outstand	Projects: TO BASE SEATION LE Or Major for trains conducts dair con he F-16 so ding pollution	Typ: SUPPL! IBRAR! Functing a: s tra: ntrol quadro	ical P Y WARE tions: ll F-l ining squad	lanned HOUSE A fid 6 airc for Si ron; a	Next  ghter rews; ngapor nd an	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	cons Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible s squadron that Combat Comman group with or 11. Outstand a. Air b. Wate	Projects: TO BASE SEATION LE Or Major for trains: conducts ad air con me F-16 so ding pollution pollution pollution	Typ: SUPPL! IBRAR! Functing a. s tra: ntrol quadro ution n:	ical P Y WARE Y tions: ll F-l ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate c. Occur	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing a: s tra: strol quadro ution n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate c. Occur	Projects: TO BASE SEATION LE Or Major for trains: conducts ad air con me F-16 so ding pollution pollution pollution	Typ: SUPPLY IBRARY Functing a: s tra: strol quadro ution n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future In 442-758 ADD 740-675 RECT 10. Mission responsible res	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing a: s tra: strol quadro ution n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future 1442-758 ADD 740-675 RECION Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Water c. Occi	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing a: s tra: strol quadro ution n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
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9b. Future In 142-758 ADD 140-675 RECION Mission responsible respo	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing a: s tra: strol quadro ution n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future 1442-758 ADD 740-675 RECION Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Water c. Occi	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing a: s tra: strol quadro ution n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future 1442-758 ADD 740-675 RECION Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Water c. Occi	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future In 442-758 ADD 740-675 RECT 10. Mission responsible res	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate c. Occur	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate c. Occor	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate c. Occor	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate c. Occor	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	
9b. Future I 442-758 ADD 740-675 RECI 10. Mission responsible squadron that Combat Comman group with or 11. Outstand a. Air b. Wate c. Occor	Projects: TO BASE S REATION LI  OR Major For trains conducts ad air con he F-16 so ding pollution pollution pollution pollution pational	Typ: SUPPLY IBRARY Functing als traintrol quadre ution  n: ion: safe	ical P Y WARE Y tions: 11 F-1 ining squad on. and s	A file A file 6 airc for Si ron; a	Next  ghter rews; ngapor nd an  (OSH)	Four 15,000 28,000 wing an F- ce Air Air F	Years SF SF with 16 fi	1,20 3,20 six 1 ighte: ce ai: Rese	00 00 F-16 r tr	squ aini ws;	adr ng an ter	Air	

1. COMPONENT								2.	. DATE	
	A									
AIR FORCE	(computer generated)									
3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
LUKE AIR FORC	CE BASI	e, ARIZONA			DORMIT	ORY				
5. PROGRAM EI	LEMENT	6. CATEGORY	CODE	7. PRO	JECT NU	MBER	8. 1	PROJECT	COST (\$000	))
2.75.97		721-312		NUE	X933014				5,200	
	9. COST ESTIMATES									
								UNIT	COST	
ITEM U/M QUANTITY COS								COST	(\$000)	

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (108 PN)				4,099
DORMITORY	SF	38,300	105	(4,022)
AUTOMATIC SPRINKLER PROTECTION	SF	38,300	2	( 77)
SUPPORTING FACILITIES		1		550
UTILITIES	LS			( 175)
PAVEMENTS	LS			( 175)
SITE IMPROVEMENTS	LS			(200)
SUBTOTAL				4,649
CONTINGENCY (5%)		1		232
TOTAL CONTRACT COST				4,881
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u> 293</u>
TOTAL REQUEST				5,174
TOTAL REQUEST (ROUNDED)				5,200
		-		

10. Description of Proposed Construction: Masonry walls, concrete foundation and floor slab, structural frame and metal roof system. Includes room-bath-room modules, day rooms, linen storage, mechanical equipment room, communications, fire protection, utilities, parking, and all other necessary support.

Air Conditioning: 50 Tons. Grade Mix: 108 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A dormitory is required to house additional unaccompanied enlisted personnel associated with the beddown of two additional F-16 squadrons at Luke AFB. A major Air Force objective is to provide unaccompanied enlisted personnel with on-base housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 108 personnel: 108 E1-E4, with a maximum utilization of 108 personnel.

CURRENT SITUATION: The base does not have sufficient housing facilities to accommodate the unaccompanied enlisted personnel increase resulting from the beddown of two additional F-16 aircraft squadrons (48 aircraft) at Luke AFB. These aircraft are scheduled to be on station in second quarter of FY95. Many of the personnel who qualify for on-base unaccompanied housing are forced to live off base. The cost of off-base housing and commuting make living off base too expensive for many junior enlisted personnel. For many airmen, this is their first assignment. They have no experience managing a household and require the support

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	
	E BASE, ARIZONA	
4. PROJECT TIT	PLE 5. F	PROJECT NUMBER
DORMITORY	м	NUEX933014

networks inherent with on-base dormitories.

IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will be forced to live off-base. An annual cost of \$1,315,094 million for off-base housing will be incurred. Personnel will not be able to afford off-base housing that meets Air Force standards and will incur additional commuting costs. Personnel will be forced to live in substandard housing degrading the morale, productivity, and career satisfaction of the enlisted force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing alternatives of direct compensation and new construction. Based on the present value of benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

	FY 1996 MILITARY CONSTRUCTION PROJECT DAT		
		I.Y	
	(computer generated)		
LATIC	ON AND LOCATION		
FORCE	BASE, ARIZONA		
r TII	LE	5. PR	OJECT NUMBE
		NUI	EX933014
LEMEN	ITAL DATA:		
imate	ed Design Data:		
			93 AUG 3
		costs	
	=		35
(d)			95 JAN 2
(e)	Date Design Complete		95 MAY 3
Bas	is:		
(a)			YES
(p)	Where Design Was Most Recently Used -		LUKE
			(\$00
	<del>_</del>		30
	•		160
			46
			28
(e)	In-house		18:
Con	struction Start		96 JAI
	· · ·	d from	1
	LEMEN (a) (b) (c) (d) (e) (d) (c) (d) (c) (d) (c) (d) (e) (con ent	<pre>(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  Construction Start</pre>	TITLE  5. PRO  NUI  LEMENTAL DATA:  imated Design Data:  Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  Construction Start

1									. DAT	ਾ <b>ਦ</b>	
1. COMPONENT	FY 1996	MTT TTT	אסע ממע	וומייפוור	ጥፐርክ ፣	PROGE	MAS	4	. DAI	LE	
AIR FORCE	FI 1990		outer o			. 1.001	GH1				
3. INSTALLATION	AND LOCATIO		Jucer 9		MMAND			5	. ARE	A CONST	
J. INSTALLATION	AND LOCATIO	, N		1. 00					COST INDEX		
LITTLE ROCK AIR FORCE BASE, ARKANSAS					омват	COM	CINAN			80	
		PERMANE			UDENTS			PORTE			
6. PERSONNEL	- <del></del>		CIV			CIV	OFF			TOTAL	
STRENGTH	+	3675		OFF	END	CIV	1	17		5,050	
a. As of 30 SEP							1	17	1 1	4,905	
b. End FY 2000		3601	ENTORY	D 3 11 3	/ 6000		<u> </u>		1 30	4,703	
			ENIURI	DATA	(\$000	<u></u>					
a. Total Acreag			75. 041					1	.91,68	) 1	
b. Inventory To	tal As Of:	(30 8)	EP 94)						8,05		
c. Authorizatio									-		
d. Authorizatio	n Requested	In Th	s Pro	gram:					2,50		
e. Authorizatio				Progr	am:	(FY.	[997]		16,40		
f. Planned In N		ogram :	rears:		•				8,62		
g. Remaining De								_	15,00		
h. Grand Total:			20234	EV.	006				42,25	) ]	
8. PROJECTS REQ	UESTED IN TH	IIS PRO	JGRAM:	rı .	1990		cosī	י הב	CTCN	STATUS	
CATEGORY					CODE					CMPL	
CODE	PROJECT T	TLE		2	COPE		(\$000	<u>')</u>	TART	CMPL	
			··· • • • • • • • • • • • • • • • • • •		- 120	T 12	2 50	71	1N 0.4	SEP 95	
832-266 UPGRAD	E SANITARY S	SEWER S	SYSTEM	•	7,130	-			JN 94	SEP 90	
					TOTAL		2,50		\ <del>\</del>		
9a. Future Pro				FOIT	owing i	Progr	ram (r	.X 13;	,,,		
141-753 C-130					4,000	Sr	12,80	,0			
	RAFT MAINTEN	ANCE U	NIT FA	C			2 40				
149-962 CONTRO						LS	•				
831-155 INDUST			_			LS	1,20	,0			
PRETR	REATMENT FAC:	ILITIE	S			-	1.0 00	<del></del>			
	<u> </u>				TOTAL		16,40	<u>,,,                                  </u>			
9b. Future Pro					Four		s: 44	• •			
	TY POLICE CA		KENNEL		4 000	LS	86				
214-000 VEHICL					4,200						
740-674 ADD TO		PHYSIC.	AL		54,000	SF	6,40	,0			
	ESS CENTER						0.				
843-314 FIRE P	PROTECTION W	ATER M	AINS			LS		20	20		
10. Mission or	Major Funct	tions:	An a	TLITE.	r wing	WIT	n rou	C-1.	30	+ c - and	
squadrons, one	of which co	nducts	C-130	trai	ning I	or a	11 00	COM	ponen	cs and	
foreign countri	les; an Air I	Nation	al Gua	rd al	rlift	grou	p wit	n one	C-13	U	
squadron; and t											
11. Outstandin	ng pollution	and s	afety	(OSH)	defic	lenc	ies:				
										^	
-	ollution:								1,50		
b. Water pollution: 3,690											
	ational safe		healt	h:						0	
d. Other	Environment	al:								0	
			•								
1											
1											

1. COMPONENT			2. DATE
F:	Y 1996 MILITARY CO	ONSTRUCTION PROJECT D	ATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT TI	TLE
LITTLE ROCK AIR FOR	RCE BASE, ARKANSAS	UPGRADE SANIT	ARY SEWER SYSTEM
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER 8	. PROJECT COST(\$000)
2.74.569	020.000	*************	
2.74.56C	832-266	NKAK963011	2,500

9. COST ESTIMA	IEO			
			UNIT	COST
ITEM	ע/ש	QUANTITY	COST	(\$000)
UPGRADE SANITARY SEWEK SYSTEM	LS			2,014
SANITARY SEWER LINES	LF	29,000	49	(1,421)
SLIP LINE SANITARY SEWER	LF	6,000	39	( 234)
REPAIR MANHOLES	EA	233	1,540	( 359)
SUPPORTING FACILITIES				150
SITE WORK	LS			(150)
SUBTOTAL		ŧ		2,164
CONTINGENCY (10%)				216
TOTAL CONTRACT COST				2,380
SUPERVISION, INSPECTION AND OVERHEAD (6%)				143
TOTAL REQUEST				2,523
TOTAL REQUEST (ROUNDED)	1 1			2,500
	- 1 - 1			
			,	
		1		

- 10. Description of Proposed Construction: Replace deteriorated sections of existing sewer lines and slip line as required; eliminate cross-connections between sanitary sewer and storm drainage; replace/repair degraded manholes; sitework to include pavement replacement of roads, parking lots, sidewalks and landscaping; dewatering, shoring and other necessary support.
- 11. REQUIREMENT: 57,130 LF ADEQUATE: 28,565 LF SUBSTANDARD: 28,565 LF PROJECT: Upgrade existing sanitary sewer system. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Currently, Little Rock AFB cannot comply with the Clean Water Act (CWA) under 40 Code of Federal Regulations (CFR) 403 for pretreatment of permitted discharges and under 40 CFR 122 for direct National Pollution Discharge Elimination System (NPDES) discharges. The Industrial Wastewater Discharge Permit issued by the City of Jacksonville Wastewater Utility prohibits discharge of untreated sewage to "waters of the state". Repair of sanitary sewer mains is required to maintain structural integrity of the sewer system for dependable transfer of the wastewater from the source to the treatment facility.

CURRENT SITUATION: Permit violations have been documented regarding excessive infiltration/inflow of wastewater discharge. During excessive rainfall, sewer discharge increases threefold. Periodically, line failure releases untreated sewage to area surface streams violating the NPDES permit and CWA. In 1993, the base sent several notices to the State reporting infiltration/inflow related system surges and releases due to line failures. The base received a Notice of Violation (NOV) from EPA due to releases of untreated wastewater to surface waters on 21 July 1992. IMPACT IF NOT PROVIDED: The base will continue to receive Notices of

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS 4. PROJECT TITLE 5. PROJECT NUMBER UPGRADE SANITARY SEWER SYSTEM

NKAK963011

Violations (NOVs) due to non-compliance with CWA requirements. Fines and penalties up to \$25,000 per day may be levied against Little Rock AFB in conjunction with NOVs.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known effective options were considered during the development of this project. 'No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

Page No

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
	AIR FORCE BASE, ARKANSAS	
4. PROJECT TI	TLE	5. PROJECT NUMBER
UPGRADE SANIT	PARY SEWER SYSTEM	NKAK963011
12. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St		_
1	Date Design Started	94 JUN 22
	Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1995	35%
1 ' '	Date 35% Designed.	95 JAN 01
(e)	Date Design Complete	95 SEP 30
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	150
	All Other Design Costs	50
	Total	200
	Contract	150
, ,	In-house	50
	·	
(4) Co	nstruction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPO	1	1996	MILITA	ARY CO	NSTRII	CTION 1	PROG	RAM		2. DA	TE
AIR FORCE	ı	1550		outer o							
	LLATION AND L	OCATIO			7	DMMAND				5. ARI	EA CONS
J. 1											ST INDE
BEATE AT	R FORCE BASE,	CALTE	ATMROT		ATR (	COMBAT	COM	CINAN		1	.24
6. PERSO			PERMANE	יייי		CUDENT			PORT		[
STREN		+	ENL		OFF		CIV			CIV	TOTAL
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	30 SEP 94				•			1			1
b. End F	2000		2927			40000	L	1		18 137	4,05
			. INVE	ENTORY	DATA	(\$000					
	Acreage: (	22,9	•								
	tory Total As									190,3	
	rization Not									26,95	
	rization Requ									7,50	
e. Author	rization Incl	uded I	n Foll	lowing	Progr	am:	(FY 1	L997)		13,50	00
f. Planne	ed In Next Fo	ur Pro	gram Y	ears:		£				19,0	50
g. Remain	ning Deficien	cy:								26,81	14
h. Grand	Total:									284,12	29
8. PROJE	CTS REQUESTED	IN TH	IS PRO	GRAM:	FY 1	996					
CATEGORY								COST	1	ESIGN	STATUS
CODE	PROJ	ECT TI	TLE		5	COPE		(\$000	) -	START	CMPL
					-				_		
911-146	LANDFILL CLO	SURE				83	AC	7,50	0 3	JUN 94	JUL 9
						TOTAL:	-	7,50	_		
9a. Futi	re Projects:	Incl	uded i	n the	Follo				_	971	
	DEPLOYABLE G					3,700	_			, ,	
141 454	SUPPORT FAC		0111110		•	,,,,,,,	0.	,,00	•		
021_155	INDUSTRIAL W		ממת				LS	1,50	Λ		
031-133	PRETREATMEN	_		•			10	1,50	U		
011-146	LANDFILL CLO		LITTES	•		27	20	5,00	0		
311-140	LANDFILL CLO	SURE				TOTAL:	-				
Oh But	.vo Dvojosta	m.m.	anl Di	annad	Novt						
	re Projects:								^		
	FIRE/CRASH R					5,000					
214-425	VEHICLE OPER		AND		-	88,000	SF	5,10	U		
	MAINTENANCE			_					_		
610-128	ADD TO MILIT SUPPORT CEN		RSONNE	EL	]	15,000	SF	3,05	0		
610-249	WING HEADQUA				1	17,000	SE	4,70	n		
	INDUSTRIAL W		משת		-	.,,000	LS				
631-155							ш	3,00	U		
10 1/ -	TREATMENT F			2 61			b	l	400	+ II.	
	sion or Major										
	ssance squadr										
	a Contigenc										
	ace Command m						n ope	erates	one	e or t	ne
	ray Warning										
11. Outs	standing poll	ution	and sa	efety	(OSH)	defic	ienc:	les:			
a.	Air pollutio	n:								1,50	0
	Water pollut									6,69	
	Occupational		.v = ~A	he=1+	h•						0
	_		-	neart.						5,00	_
a.	Other Enviro	nmenta	11:							5,00	J

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA .
AIR FORCE	(compute	er generated)	
3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE
BEALE AIR FORCE BA	SE, CALIFORNIA	LANDFILL CLO	DSURE
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2 74 56C	911-146	BAEY951004	7.500

9. COST ESTIMAT	E5			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
LANDFILL CLOSURE	AC	56	87,980	4,927
SUPPORTING FACILITIES				1,500
REVEGETATION	LS			( 205)
GAS MONITORING AND CONTROL	LS			( 135)
GROUNDWATER MONITORING	LS			( 120)
DRAINAGE	LS			( 75)
SECURITY AND FENCE	LS	:		( 230)
OTHER SUPPORT	LS			( <u>735</u> )
SUBTOTAL				6,427
CONTINGENCY (10%)				643
TOTAL CONTRACT COST				7,070
SUPERVISION, INSPECTION AND OVERHEAD (6%)				424
TOTAL REQUEST				7,494
TOTAL REQUEST (ROUNDED)				7,500

10. Description of Proposed Construction: Plan and execute closure of Landfill No 3.

REQUIREMENT: This is a Level I environmental compliance requirement.

PROJECT: Close landfill. (Current Mission)

Landfill No 3 must be closed in accordance with California Code of Regulations (CCR) Title 23, Division 3, Chapter 15 and Title 14, Division 7, Chapters 3 and 5. In addition, Draft Waste Discharge Requirements (WDR) to be adopted by the California Regional Water Quality Control Board includes specifications for closure. CCR Title 14, Chapter 3, Article 7.8, Section 17763, requires the implementation of the Final Closure Plan for the named landfill within 30 days. Section 17773 CCR gives construction requirements for the design of the final cover. CURRENT SITUATION: Existing Landfills Nos 1, 2, and 3 require formal closure. The California Regional Water Quality Control Board, the Integrated Waste Management Board, and the Yuba County Environmental Health Department have indicated that the base can proceed in reverse order: closure of Landfill No 3 in 1996; Landfill No 2 in 1997; and Landfill No 1 in 1998. Landfill No 3 operated from some time in 1980 until Oct 1993. Landfill No 2 operated from approximately 1960 until some time in 1980. Landfill No 1 operated from approximately 1940 until 1960. Beale AFB is currently using the Yuba-Sutter Disposal, Inc. landfill for solid waste disposal. All three landfills on Beale AFB are in violation of the "Record of Disposal Site Inspection" requirement for submittal of closure plans. These landfills are out of compliance with California State Regulations and draft WDR to be adopted by California Regional Water Quality Control Board.

<sup>11.</sup> REQUIREMENT: As required.

	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA	
	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION	-	
	BEALE AIR FORCE BASE, CALIFORNIA		
_	4. PROJECT TITLE	5.	PROJECT NUMBER
	LANDFILL CLOSURE		BAEY951004

	· · · · · · · · · · · · · · · · · · ·		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
AIR FORCE			
. INSTAI	LATION AND LOCATION		
	FORCE BASE, CALIFORNIA		
. PROJEC	TTITLE	5. PF	ROJECT NUMBER
ANDFILL	OI OCUDE		
MUFILL	CLOSURE	BA	EY951004
2. SUPP	LEMENTAL DATA:		
2. 5011	DIEMITAL DAIA.		
a. Est	imated Design Data:		
(1)	Status:		
	(a) Date Design Started		94 JUN 01
	(b) Parametric Cost Estimates used to develop	p costs	Y
	(c) Percent Complete as of Jan 1995	•	35%
	(d) Date 35% Designed.		94 AUG 30
	(e) Date Design Complete		95 JUL 30
(2)	Basis:		
	(a) Standard or Definitive Design -		NO
	(b) Where Design Was Most Recently Used -		N/A
(3)	Total Cost (c) = $(a) + (b)$ or $(d) + (e)$ :		(\$000)
	(a) Production of Plans and Specifications		325
	(b) All Other Design Costs		. 90
	(c) Total		415
	(d) Contract		325
	(e) In-house		90
(4)	Construction Start		96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

AIR FORCE		1006 MTT						"	A. DAI	
			ITARY CO			PROGE	MAS			
3. INSTAL			omputer o							
	LATION AND LO	CATION			DNAMMO			۱۶		EA CONST
				AIR E						T INDE
EDWARDS A	IR FORCE BASE				RIEL C					38
6. PERSON	INEL		ANENT		UDENT		SUP	PORTE	D D	_
STRENG	TH	OFF EN	L CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of	30 SEP 94	671 37	54 3493				27		. 862	•
b. End FY	2000	650 33	84 3264				27	5.1	. 862	8,238
			NVENTORY	DATA	(\$000	)				
a. Total	Acreage: (	301,928)								
b. Invent	ory Total As	Of: (30	SEP 94)					7	11,23	33
c. Author	ization Not	et In In	ventory:						44,65	0
d. Author	ization Reque	ested In	This Pro	gram:					33,80	0
e. Author	rization Inclu	ided In F	ollowing	Progr	am:	(FY I	1997)		21,70	0
f. Planne	ed In Next For	ır Progra	m Years:							0
g. Remair	ning Deficiend	cy:						1	.02,30	0
h. Grand	Total:							9	13,68	3
8. PROJEC	TS REQUESTED	IN THIS	PROGRAM:	FY 1	.996					
CATEGORY							COST	DE	SIGN	STATUS
CODE	PROJI	ECT TITLE		5	COPE		(\$000	<u>)</u> s	TART	CMPL
311-114	F-22 ADD TO A	AND ALTER		10	7,000	SF	12,10	O AF	R 94	JUL 99
	ENGINEERING	TEST FAC	ILITY							
317-932	ADD TO AND A	TER ANEC	HOIC	4	7,800	SF	11,10	O MA	R 94	OCT 9
	CHAMBER									
721-312	DORMITORY				136	PN	10,60	O MA	Y 94	JUL 9
					TOTAL	:	33,80	0		
9a. Futu	re Projects:	Include	d in the	Follo	wing 1	Progr	am (F	Y 199	7)	
211-152	RENOVATE AIRC	CRAFT MAI	NTENANCE	23	34,000	SF	8,00	0		
311-115	F-22 ALTER A			4	12,700	SF	4,40	0		
317-932	ADD TO AND A					LS	4,90	0		
	TEST CONTROL	L FACILIT	Y							
821-115	CONVERT BOIL	ERS			24	EA	4,40	0		
					TOTAL	:	21,70	0		
9b. Futu	re Projects:	Typical	Planned	Next	Four	Years	s:			
10. Miss	sion or Major	Function	s: Air	Force	Fligh	t Te	st Cen	ter i	or	
Research	and Developme	ent which	is resp	onsib:	le for	flig	ght te	st a	ctivit	ies
	SAF aircraft									
	a test wing;									
	ics Director									
	shuttle.		_							
11. Outs	standing poll	ition and	safety	(OSH)	defic	ienc	ies:			
a.	Air pollution	n•							4,400	)
	Water pollut									)
	Occupational		nd heal+	h•						)
	Occupational Other Environ	-	ind neart	•••					9,600	=
d.	Gener Environ	.miental:							,, 500	-
	f									

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

F-22 ADD TO AND ALTER
EDWARDS AIR FORCE BASE, CALIFORNIA

ENGINEERING TEST FACILITY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)
6.42.39 311-114 FSPM963506 12,100

9. COST ESTIMATES

J. COST ESTITAT	. 23			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
F-22 ADD TO AND ALTER ENGINEERING TEST				
FACILITY	SF	107,000		8,840
ADDITION	SF	57,000	100	(5,700)
ALTERATION	SF	50,000	46	(2,300)
PRE-WIRED WORKSTATIONS/COMM SUPPORT	LS			( 840)
SUPPORTING FACILITIES				2,035
UTILITIES	LS	4		( 500)
PAVEMENTS/SITE INPROVEMENTS	LS			( 235)
FIRE PROTECTION SYSTEMS	LS			( 1,250)
DEMOLITION	SF	3,050	16	(50)
SUBTOTAL		}		10,875
CONTINGENCY (5%)	1			544
TOTAL CONTRACT COST				11,419
SUPERVISION, INSPECTION AND OVERHEAD (6%)				685
TOTAL REQUEST		1		12,104
TOTAL REQUEST (ROUNDED)				12,100

10. Description of Proposed Construction: Construct new additions for jet engine maintenance (20,000 SF), data reduction vault (12,000 SF) and storage (25,000 SF) of concrete foundation and floor slab, metal/concrete walls and roof system; alter portions of four existing buildings to accommodate F-22. Includes utilities, pavements and necessary support. Demolish four buildings.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 203,200 SF ADEQUATE: 0 SUBSTANDARD: 146,750 SF PROJECT: Add to and alter an F-22 engineering test facility. (New Mission)

REQUIREMENT: The Air Force Flight Test Center requires secure and modern aircraft maintenance and testing facilities to house and conduct testing for the Engineering and Manufacturing Development (EMD) phase of F-22 Advanced Tactical Fighter aircraft. The EMD phase of the F-22 program includes a total of nine EMD aircraft that will be delivered to Edwards AFB by FY99. One EMD aircraft will be delivered in FY96, two in FY97, four in FY98 and the final two in FY99. Facilities for the main flight test engineering staff and maintenance bays are included in the FY95 MILCON. Additional facilities to support F-22 EMD aircraft are required for jet engine maintenance, storage, and a data reduction vault. Alteration or upgrade is needed for the existing shops, engineering work space, missile maintenance, ground support equipment maintenance, and classified destruction facilities to accommodate flight test operations personnel, management staff and avionics engineering personnel. Four buildings totaling 3,050 SF will be demolished.

CURRENT SITUATION: There are no existing hangars at Edwards AFB that have the proper electrical and mechanical systems to support testing, repairs,

Page No

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION

EDWARDS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

5. PROJECT NUMBER

F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY

FSPM963506

calibration, and trouble-shooting of the advanced F-22 instrumentation and avionics systems. Also there are no existing jet engine maintenance, storage, data reduction vault, missile maintenance, ground support equipment maintenance, and classified destruction facilities that meet space and special security requirements.

IMPACT IF NOT PROVIDED: The Air Force will be forced to delay and slow the scheduled F-22 test activities, resulting in millions of dollars in cost growth and delaying start of production and initial operational capability.

ADDITIONAL: There is no criteria/scope for this project in either Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternatives were considered while developing this project. No other option could meet mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. This is the second phase of a three-phased effort to provide adequate facilities for testing of F-22 aircraft. A follow-on MILCON project, programmed for FY97, will provide facilities to support the remaining EMD aircraft.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT D	ATA	
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3. INSTALLATIO	ON AND LOCATION		
	DRCE BASE, CALIFORNIA		
1. PROJECT TIT	LE	5. PR	OJECT NUMBER
F-22 ADD TO AN	D ALTER ENGINEERING TEST FACILITY	FS	PM963506
2. SUPPLEMEN	ITAL DATA:		
a. Estimate	ed Design Data:		
(1) Sta	atus:		
• •	Date Design Started		94 APR 10
	Parametric Cost Estimates used to develop	costs	Y
(c)	Percent Complete as of Jan 1995		35%
(d)	Date 35% Designed.		94 OCT 20
(e)	Date Design Complete		95 JUL 25
(2) Bas	is:		
(a)	Standard or Definitive Design -		NO
(þ)	Where Design Was Most Recently Used -		N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a)	Production of Plans and Specifications		594
(b)	All Other Design Costs		297
, ,	Total		891
	Contract		
(e)	In-house		891
(4) Con	struction Start		96 <b>FE</b> B

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONST	RUCTION PROJECT DATA	
AIR FORCE	(computer o	generated)	
3. INSTALLATION	N AND LOCATION	4. PROJECT TITLE	
	ECHOIC		
EDWARDS AIR FOR	RCE BASE, CALIFORNIA	CHAMBER	
5. PROGRAM ELEM	MENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJ	ECT COST(\$000)

FSPM943501

9. COST ESTIMATES							
		UNIT	COST				
U/M	QUANTITY	COST	(\$000)				
SF	47,800		8,045				
SF	35,000	175	(6,125)				
SF	12,800	150	(1,920)				
			1,945				
LS			( 625)				
SF	18,000	65	( 1,170)				
LS	:		(150)				
			9,990				
			500				
			10,490				
			629				
			11,119				
	·		11,100				
		j					
	U/M SF SF SF LS SF	U/M QUANTITY SF 47,800 SF 35,000 SF 12,800 LS SF 18,000	U/M QUANTITY COST  SF 47,800 SF 35,000 175 SF 12,800 150  LS SF 18,000 65				

10. Description of Proposed Construction: Alter the ground floor and construct two floors in unfinished portion of the anechoic chamber. Work includes steel framing, concrete floors, masonry walls, interior partitions, clean rooms with Radio Frequency Interference (RFI) shielding, insulation, and vibration/sound attenuation. Also modify and extend utilities and provide necessary support.

11. REQUIREMENT: 214,250 SF ADEQUATE: 162,300 SF

317-932

SUBSTANDARD: 16,200 SF

Air Conditioning: 100 Tons.

6.58.07

PROJECT: Add to and alter an anechoic chamber. (New Mission) REQUIREMENT: Additional specialized space is required to test electronic combat and integrated avionics systems for advanced aircraft such as the F-22, F-117, B-2, and C-17. Weapons system components must first be tested in clean rooms with Radio Frequency Interference (RFI) and Electro-Magnetic Pulse (EMP) shielding and then be transferred to the anechoic chamber for integrated testing on full scale aircraft. Shielded rooms must be able to test classified threat generators, target simulators and other sophisticated electronic test equipment used to simulate hostile enemy airspace without compromising data collection or security. CURRENT SITUATION: There are no specialized rooms or support space in the anechoic facility to test new weapon system components prior to integrated testing on test aircraft. Existing rooms in an adjacent facility fragment the workforce and lack required security, and RFI and EMP shielding. After weapon system components are individually tested in individual specialized rooms in the adjacent facility, they are then transferred to the anechoic chamber for integrated testing on full-scale aircraft. Transferring the components to the anechoic chamber requires additional

11,100

T	1. COMPONENT			2.	DATE
l		FY	1996 MILITARY CONSTRUCTION PROJECT DATA		
l	AIR FORCE		(computer generated)		
I	3. INSTALLATION	AND	LOCATION		

EDWARDS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

5. PROJECT NUMBER

ADD TO AND ALTER ANECHOIC CHAMBER

FSPM943501

security measures and increases scheduling conflicts. Electronic test conditions in both the specialized rooms and the anechoic chamber cannot be tailored for each weapon component because there are more components being tested at any one time than there are specialized rooms. Ferrying components back and forth from the adjacent facility to the anechoic chamber can be extremely time consuming since components must compete for space for initial setup and subsequent modifications. IMPACT IF NOT PROVIDED: New and upgraded weapon systems will require more extensive flight testing at much greater cost to assure minimum developmental risk and cost. The lack of adequate specialized space with RFI and EMP shielding will continue to compromise test and data collection, thereby resulting in program slippage and costly overruns. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

DWARDS AI	R FC	FY 1996 MILITARY CONSTRUCTION PROJECT DAY  (computer generated)  NAND LOCATION  RCE BASE, CALIFORNIA  LE			<b></b>
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DD TO AND	n T m		J. 110	JECT NUME	BEF
	Tun	ER ANECHOIC CHAMBER	FSP	M943501	
2. SUPPL	EMEN	TAL DATA:			
a. Esti	mate	d Design Data:			
(1)	Sta	tus:			
` '		Date Design Started		94 MAR	20
		Parametric Cost Estimates used to develop of	costs		
		Percent Complete as of Jan 1995		3	359
		Date 35% Designed.		94 SEP	1
		Date Design Complete		95 OCT	20
(2)	Bas	is:			
	(a)	Standard or Definitive Design -		NO	
	(b)	Where Design Was Most Recently Used -		N/A	
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$0	000
	(a)	Production of Plans and Specifications		6	500
		All Other Design Costs		3	399
	(C)	Total		9	999
	(d)	Contract		6	559
(	(e)	In-house		3	340
(4)	Con	struction Start		96 F	EE
		associated with this project will be provide	ed from		
ner appro	pri	ations: N/A			

Ī	1. COMPONENT		2. DATE
l		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
	AIR FORCE	(computer generated)	
Ī	3. INSTALLAT	ON AND LOCATION 4. PROJECT TITLE	

EDWARDS AIR FORCE BASE, CALIFORNIA

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

DORMITORY

7.28.06 721-312 FSPM943013 10,600

			UNIT	COST
ITEM	ן ש/ש	QUANTITY	COST	(\$000)
DORMITORY (136 PN)	SF	48,300	130	6,279
SUPPORTING FACILITIES	j			3,230
UTILITIES	LS			( 600)
SITE IMPROVEMENTS	LS			( 300)
PAVEMENTS	LS			( 650)
DEMOLITION	SF	56,000	23	( 1,290)
ASBESTOS REMOVAL	SF	56,000	7	( <u>390</u> )
SUBTOTAL				9,509
CONTINGENCY (5%)				475
TOTAL CONTRACT COST				9,984
SUPERVISION, INSPECTION AND OVERHEAD (6%)				599
TOTAL REQUEST	ļ			10,583
TOTAL REQUEST (ROUNDED)				10,600
		1		

10. Description of Proposed Construction: Reinforced concrete foundation, floor slabs, masonry walls and roof system. Includes interior partitions, room-bath-room modules, laundries, storage, lounge areas, vehicle access pavement and necessary support. Demolish four buildings. Air Conditioning: 100 Tons. Grade Mix: 136 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 136 personnel: 136 E1-E4, with a maximum utilization of 136 personnel. CURRENT SITUATION: The base has insufficient facilities to accommodate unaccompanied enlisted personnel. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live in off-base housing which is located several miles from the base. The existing wooden dormitories were originally built in the 1950s and are poorly suited to the hot, dry climate and and do not meet California seismic standards. The desert climate causes the wood to dry and crack. Frequent tremors have caused the buildings to sway and further degrade the aging structures. Space authorizations have changed in the 40 years since the dorms were designed and constructed, and the rooms are currently undersized and substandard. The existing conditions and configuration of the buildings, combined with the presence of asbestos, would make

1. COMPONENT FY 1996 M	MILITARY CONSTRUCTION PROJECT DATA	DATE					
AIR FORCE	(computer generated)						
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA							
4. PROJECT TITLE	5. PROJE	CT NUMBER					
DORMITORY	FSPM9	43013					

renovation a costly and uneconomical alternative. Any renovation would leave the wood structure unchanged and subject to the effects of the desert environment. Completion of this project will allow demolition of four WW II wood buildings totalling 56,000 square feet. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable and result in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. High building maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks. morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standard established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior exits.

1. COMPON	ENT			2. DA	TE					
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		ORCE BASE, CALIFORNIA	15							
4. PROJECT TITLE 5. PROJECT NUMBER										
DORMITORY FSPM943013										
			1 5	PM3430	13					
12. SUPP	LEME	NTAL DATA:								
a. Est	imate	ed Design Data:								
(1)		atus:								
		Date Design Started		94	MAY	80				
		Parametric Cost Estimates used to develop	costs			Y				
		Percent Complete as of Jan 1995			-	5%				
		Date 35% Designed.			SEP					
	(e)	Date Design Complete		95 .	JUL	25				
(2)	Bas	sis:								
` ,	(a)	Standard or Definitive Design -		NO						
		Where Design Was Most Recently Used -		N/I	A					
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):			(\$0	001				
(-,		Production of Plans and Specifications			• •	64				
		All Other Design Costs			-	82				
		Total				46				
		Contract			٥.					
		In-house			84	46				
(4)	Con	struction Start		9	96 FI	EB				

b. Equipment associated with this project will be provided from other appropriations: N/A

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TRAVIS AIR FORCE BASE, CALIFORNIA COMMAND										. 25	
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STRENGTH	+	ENL C	985	OFF	ENL	CIV	21	165	CIV		
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b. End FY 200		6870 19			(6000	<del>!                                    </del>	21	165	11/	10,	109
o Total Name			JKI I	DUIU	(\$000	<u> </u>					
a. Total Acre	•	•	041					45	5 10	50	
b. Inventory Total As Of: (30 SEP 94) 455,159 c. Authorization Not Yet In Inventory: 46,700											
	ion Requested			ram.					17,30		
	ion Included I				am•	/EV -	19971		6,60		
	Next Four Pro			rrogr	ш	111			2,4		
g. Remaining		gram rear							.3,80		
g. Remaining h. Grand Tota									1,96		
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171-212 KC-1	NTENANCE UNIT OUT ADD TO FLIGH		TOR		7,000	SF	2,400	) AUG	94	MAY	95
	CILITY										
	HAZ MATERIALS	STORAGE			7,800			DEC			
721-312 DORMITORY						PN	,		94		
721-312 DORM	ITORIES					-	10,500	_	1 94	JUN	95
O- Butumo D	rojects: Incl	udad in t	tho '	Fo116	TOTAL		27,300		7.		
9a. Future P 721-312 DORM		uueu III (	cne .	rolic			6,600		,		
721-312 DORM	.110R1				TOTAL	-	6,600	_			
Oh Futuro D	rojects: Typi	cal Plan	ned :	Novt							
	HT OPERATIONS		iieu .				9,500	)			
	SISION MEASURIN		TAR								
	ITORY	G EQUIF I	באם			PN	10,50				
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	or Major Funct				rs Fi				:e:	an ai	<u> </u>
											-
mobility wing with two C-5, one C-141, and two KC-10 squadrons; an Air Force Reserve C-5/C-141/KC-10 associate air mobility wing; the west coast											
Air Mobility Operations Center (AMOG); and a major USAF medical center.  11. Outstanding pollution and safety (OSH) deficiencies:											
Judgeund	FOTTUCION		-2 V	,							
a. Air	pollution:								1	0	
	er pollution:									0	
	pational safet	v and he	alth	:				2	2,50	-	
	r Environmenta	_		. •				-		0	
a. Othe	1 Divisional di	· <del>- ·</del>									
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	1. COMPONENT											2.	DATE	<u> </u>	
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	3. INSTALLATI	ON ANI	LOCATION				4.	PRO	JECT :	ritL!	E				7
							SQ	JADR	ON OP	ERAT:	IONS/A	IRC	CRAFI	•	
-	TRAVIS AIR FO									UNI	r FACI	LII	Ϋ́		
	5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7.	PROJ	JECT	וטא ז	MBER	8. 1	PROJEC	T C	COST (	\$000)	Ī
-	4.18.96 141-753 XDAT9					953	3250					7,40	0	1	
9. COST ESTIMATES															
l											UNIT	ı	CO	ST	1
1	· · · · · · · · · · · · · · · · · · ·		ITEM					U/M	QUANT	TTY	COST		(\$0	00)	1
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I	MAINTENANCE U							SF	31,6	00	15	50	4	,740	l
	SUPPORTING FACILITIES										1	,870	l		
l	UTILITIES					LS				- [	(	425)			
I	PAVEMENTS						LS					(	300)		
l	SITE IMPROVEMENTS						LS				- 1	(	270)		
ı	DEMOLITION/ASBESTOS REMOVAL/DISPOSAL					Į	SF	32,7	oo l	2	23	- (	750)	1	

EA

Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, an elevator, demolition, site improvements, and asbestos removal/disposal.

Air Conditioning: 65 Tons.

ELEVATOR

TOTAL REQUEST

CONTINGENCY (5%)

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUBTOTAL

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. It replaces the existing undersized and separated squadron operations and AMU facilities with a functional and adequately sized structure to support flyers and maintainers of large framed aircraft. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, standardization/evaluation, training and testing, locker rooms, flying/ground safety, tool rooms, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is part of the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: Existing Sq Ops/AMU operations are accomplished in undersized, physically separated, and substandard wooden facilities constructed in the mid-1950s. These facilities have historically been overcrowded, a condition further exasperated with the squadron unification. Inefficiencies include fragmented lines of

23

125,000

750)

125)

331

416

6,610

6,941

7,357

7,400

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

TRAVIS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

5. PROJECT NUMBER

SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY

XDAT953250

communications/authority, lack of space for mission planning and briefings, inadequate space for equipment storage, deteriorated electrical and mechanical systems, and lack of space for tool cribs, bench stock, flight planning operations, and maintenance. A total of 32,700 square feet of substandard space will be demolished as a result of this project. <a href="IMPACT IF NOT PROVIDED">IMPACT IF NOT PROVIDED</a>: Operations, maintenance, and support personnel will remain in separated, substandard, and undersized buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT									
AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION  TRAVIS AIR FORCE BASE, CALIFORNIA  4. PROJECT TITLE  SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY  XDAT953250  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started  (b) Parametric Cost Estimates used to develop costs  (c) Percent Complete as of Jan 1995  (d) Date 35% Designed.  (e) Date Design Complete  93 NOV 15  65%  (d) Date 35% Designed.  (e) Date Design Complete  95 APR 18  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (5000)  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  430  (e) In-house  70	1. COMPONENT			Œ					
3. INSTALLATION AND LOCATION   TRAVIS AIR FORCE BASE, CALIFORNIA   4. PROJECT TITLE   5. PROJECT NUMBER   SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY   XDAT953250   12. SUPPLEMENTAL DATA:   a. Estimated Design Data:   (1) Status:   (a) Date Design Started   93 NOV 15   (b) Parametric Cost Estimates used to develop costs   Y   (c) Percent Complete as of Jan 1995   65%   (d) Date 35% Designed.   94 FEB 01   (e) Date Design Complete   95 APR 18   (2) Basis:   (a) Standard or Definitive Design   YES   (b) Where Design Was Most Recently Used   TRAVIS   (3) Total Cost (c) = (a) + (b) or (d) + (e):   (\$000)   (a) Production of Plans and Specifications   370   (b) All Other Design Costs   130   (c) Total   500   (d) Contract   430   70   (e) In-house   70   70   (f) FIRE OF TRAVIS   70   (f) FIRE OF TRAVIS   (f)			TA						
TRAVIS AIR FORCE BASE, CALIFORNIA  4. PROJECT TITLE  SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY  XDAT953250  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started  (b) Parametric Cost Estimates used to develop costs  (c) Percent Complete as of Jan 1995  (d) Date 35% Designed.  (e) Date Design Complete  95 APR 18  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (5000)  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  70	<del> </del>								
4. PROJECT TITLE  SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY  XDAT953250  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:     (a) Date Design Started     (b) Parametric Cost Estimates used to develop costs     (c) Percent Complete as of Jan 1995     (d) Date 35% Designed.     (e) Date Design Complete  (2) Basis:     (a) Standard or Definitive Design -     (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):     (s) Yes     (b) All Other Design Costs     (c) Total     (d) Contract     (d) Contract     (e) In-house  70	3. INSTALLATI	ON AND LOCATION							
4. PROJECT TITLE  SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY  XDAT953250  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:     (a) Date Design Started     (b) Parametric Cost Estimates used to develop costs     (c) Percent Complete as of Jan 1995     (d) Date 35% Designed.     (e) Date Design Complete  (2) Basis:     (a) Standard or Definitive Design -     (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):     (s) Yes     (b) All Other Design Costs     (c) Total     (d) Contract     (d) Contract     (e) In-house  70									
SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (5) Total (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (d) Contract (e) In-house  70	<del></del>		•						
12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (d) Contract (e) In-house  70	4. PROJECT TITLE 5. PROJECT NUMBER								
12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (d) Contract (e) In-house  70									
a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 APR 18  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  70	SQUADRON OPER	ATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	XDAT95325	0					
a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 APR 18  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  70									
(1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (5000) (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  70	12. SUPPLEME	NTAL DATA:							
(1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (5000) (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  70									
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 APR 18  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  70	a. Estimat	ed Design Data:							
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 APR 18  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  70									
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 APR 18  (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 70	, ,								
(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. 94 FEB 01 (e) Date Design Complete 95 APR 18  (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 370 (b) All Other Design Costs 130 (c) Total 500 (d) Contract 430 (e) In-house 70	, ,			OV 15					
(d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  94 FEB 01 95 APR 18	,	<del>-</del>	costs	_					
(e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - YES  (b) Where Design Was Most Recently Used - TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications 370  (b) All Other Design Costs 130  (c) Total 500  (d) Contract 430  (e) In-house 70									
(2) Basis:  (a) Standard or Definitive Design - YES  (b) Where Design Was Most Recently Used - TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications 370  (b) All Other Design Costs 130  (c) Total 500  (d) Contract 430  (e) In-house 70			<b>-</b> .						
(a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 370 (b) All Other Design Costs 130 (c) Total 500 (d) Contract 430 (e) In-house 70	(e)	Date Design Complete	95 A	PR 18					
(b) Where Design Was Most Recently Used - TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications 370  (b) All Other Design Costs 130  (c) Total 500  (d) Contract 430  (e) In-house 70	(2) Ba	sis:							
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications 370  (b) All Other Design Costs 130  (c) Total 500  (d) Contract 430  (e) In-house 70	(a)	Standard or Definitive Design -	YES						
(a) Production of Plans and Specifications370(b) All Other Design Costs130(c) Total500(d) Contract430(e) In-house70	(p)	Where Design Was Most Recently Used -	TRA	VIS					
(a) Production of Plans and Specifications370(b) All Other Design Costs130(c) Total500(d) Contract430(e) In-house70	(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(5000)					
(b) All Other Design Costs       130         (c) Total       500         (d) Contract       430         (e) In-house       70				•					
(c) Total       500         (d) Contract       430         (e) In-house       70		<u>-</u>		130					
(d) Contract 430 (e) In-house 70		•		500					
(e) In-house 70	• •			430					
(4) Construction Start 96 MAR				70					
	(4) Co	nstruction Start	96	5 MAR					

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT								
	FY	1996 MILIT	T DATA					
AIR FORCE (computer generated)								
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
	KC-10 ADD TO FLIGH						SIMULATOR	
TRAVIS AIR FO	DRCE BA	SE, CALIFOR	NIA		FACILITY			
5. PROGRAM EI	EMENT	6. CATEGORY	CODE	7. PRO	JECT NUMBER	8. PROJI	ECT COST(\$000)	
4.12.19		171-212	i	רבחצ	r963050		2.400	

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
KC-10 ADD TO FLIGHT SIMULATOR FACILITY	SF	7,000	240	1,680
SUPPORTING FACILITIES				385
UTILITIES	LS			( 160)
SITE IMPROVEMENTS	LS			( 125)
PAVEMENTS	LS		i	(100)
SUBTOTAL			1	2,065
CONTINGENCY (10%)		f		207
TOTAL CONTRACT COST				2,272
SUPERVISION, INSPECTION AND OVERHEAD (6%)	1			136
TOTAL REQUEST	}			2,408
TOTAL REQUEST (ROUNDED)				2,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(8,500)
	]			

- 10. Description of Proposed Construction: Demolition of existing exterior wall, construction of addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior walls to match existing facility, and necessary support. Air Conditioning: 30 Tons.
- 11. REQUIREMENT: 56,330 SF ADEQUATE: 49,330 SF SUBSTANDARD: PROJECT: Add to KC-10 flight simulator training facility. (New Mission) REQUIREMENT: Construction is required to support Air Force tanker realignment and beddown of five additional KC-10 operational aircraft expected in the fourth quarter of FY 94. This simulator will provide initial training, proficiency, and effective mission procedures training. It is essential to provide hazardous emergency training procedures that cannot otherwise be provided. This facility directly supports flight crew training, with a simulator bay, computer room, instructor offices, lesson preparation areas, learning center, scheduling and briefing rooms, visual aids storage, mechanical room, and all necessary support.

CURRENT SITUATION: The existing KC-10 flight simulator facility has only one bay and cannot support the required flight simulator training mission of KC-10 air crews for 24 PAA. The Air Force requires four KC-10 Weapons Systems Trainers (WSTs) but currently only has three. The new bay is required to house the fourth WST with an expected delivery date of 1 Sep 97.

IMPACT IF NOT PROVIDED: Aircrew members will not be able to receive essential training to complete the realignment and beddown of the additional KC-10 operational aircraft.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION P	2. DATE						
AIR FORCE (computer generated)								
RAVIS AIR FORCE BASE, CALIFORNIA								
4. PROJECT TITL		5. PROJECT NUMBER						
   KC-10 ADD TO FI	TGHT SIMULATOR FACILITY	XDAT963050						

this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates that there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

. COMPONENT	?			2.	DATE	
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA					
IR FORCE		omputer generated				
. INSTALLAT	TION AND LOCATION					
RAVIS AIR I	FORCE BASE, CALIFORN	NIA				
. PROJECT 1	TITLE		5.	. PROJE	CT NUMB	ER
.C-10 ADD TO	FLIGHT SIMULATOR I	PACILITY		XDAT9	63050	
2. SUPPLEN	MENTAL DATA:					
a. Estima	ated Design Data:					
(1) 5	Status:					
( 2	a) Date Design Star				94 AUG	15
	o) Parametric Cost		develop cos	sts		Y
	c) Percent Complete		ť		_	5%
	(d) Date 35% Designed.				94 OCT	
(€	e) Date Design Comp	plete			95 MAY	ΤO
(2) E						
( a	a) Standard or Def:				NO	
(1	o) Where Design Was	Most Recently U	sed -		N/A	
(3)	Total Cost (c) = (a)	) + (b) or (d) +	(e):		(\$0	00
( 7	a) Production of Pi	lans and Specifica	ations		_	40
•	o) All Other Design	n Costs			_	00
•	c) Total				_	40
•	d) Contract				1	80
( 6	e) In-house					60
(4)	Construction Start				96 A	PR
. Equipmenther approp	nt associated with priations:	this project will	be provided	from		
		this project will				
ther approp	priations:		FISCAL YE	AR	cos	;T
ther approp Eq		this project will PROCURING APPROPRIATION		AR ED	COS (\$00	
ther approp EQ NOM	priations: QUIPMENT	PROCURING	FISCAL YE APPROPRIAT	AR ED		00)
ther approp EQ NOM	priations: QUIPMENT MENCLATURE	PROCURING APPROPRIATION	FISCAL YE APPROPRIAT OR REQUEST	AR ED	(\$00	00)
ther approp EQ NOM	priations: QUIPMENT MENCLATURE	PROCURING APPROPRIATION	FISCAL YE APPROPRIAT OR REQUEST	AR ED	(\$00	00

1. COMPONENT	:						2. DATE
	FY	1996 MILITA	ARY CON	STRUCT	ION PROJECT	DATA	
AIR FORCE		( 00	mputer	gener	ated)		
3. INSTALLAT	ION AND	LOCATION			4. PROJECT	TITLE	
TRAVIS AIR F	ORCE BA	ASE, CALIFORN	AI		DORMITORY		
5. PROGRAM E	LEMENT	6. CATEGORY	CODE 7	. PROJ	ECT NUMBER	8. PROJI	ECT COST(\$000)
4 10 06		701-210		VDAT	963307		6 400

	] }	UNIT	COST
U/M	QUANTITY	COST	(\$000)
			4,246
SF	34,800	120	(4,176)
SF	34,800	2	( 70)
			1,460
LS			( 430)
LS			( 275)
LS			( 250)
SF	25,200	20	(505)
			5,706
			285
			5,991
			<u>359</u>
			6,350
			6,400
	,		
	SF SF LS LS	SF 34,800 SF 34,800 LS LS	SF 34,800 120 SF 34,800 2 LS LS LS

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundries, storage and lounge areas and all necessary support. Includes the demolition of one dormitory.

Air Conditioning: 75 Tons. Grade Mix: 98 El-E4.

11. REQUIREMENT: As required.

PROJECT: Construct dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 98 personnel: 98 E1-E4, with an maximum utilization of 98 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements of unaccompanied enlisted personnel at this installation. Substandard facilities to be replaced do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. Travis AFB has the worst dormitories in Air Mobility Command. One substandard facility totalling 25,200 square feet will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist degrading morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Excessive energy consumption and maintenance costs

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DAT  AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER XDAT963307

will continue if these inefficient and substandard facilities remain in use.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending personnel off-base paying BAQ/VHA and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	CION AND LOCATION	
TRAVIS AIR F	ORCE BASE, CALIFORNIA	
4. PROJECT T	ITLE	5. PROJECT NUMBER
OORMITORY		XDAT963307
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S	tatus:	
	) Date Design Started	94 JUL 21
	) Parametric Cost Estimates used to develop	costs Y
	Percent Complete as of Jan 1995	65%
(d	) Date 35% Designed.	94 SEP 30
( e	) Date Design Complete	95 JUN 05
(2) B	asis:	
(a	) Standard or Definitive Design -	YES
(b	) Where Design Was Most Recently Used -	TRAVIS
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	) Production of Plans and Specifications	380
	) All Other Design Costs	260
	) Total	640
,	) Contract	480
	) In-house	160
(4) C	onstruction Start	96 FEB
	t associated with this project will be provide	ed from
ther approp	riations: N/A	

1. COMPONENT		***************************************							2	DATE	
	FY	1996 MILITA	ARY CO	ONST	TRUCT	NOI	PROJECT	DA:	ra An		
AIR FORCE (computer generated)											
3. INSTALLATIO	3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
TRAVIS AIR FOR	RCE BAS	E, CALIFORN	AIN			DOR	<b>MITORIES</b>				
5. PROGRAM ELE	EMENT 6	. CATEGORY	CODE	7.	PROJ	ECT	NUMBER	8.	PROJECT	COST (\$	000)
4.18.96	4.18.96 721-312 X		XDAT973022			10,500					
		9.	cos	C ES	STIMA	TES					
									UNIT	Cos'	r

9. COST ESTIMAT	.ES			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
DORMITORIES (142 PN)				6,148
DORMITORY	SF	25,200	120	(3,024)
DORMITORY	SF	25,200	120	(3,024)
AUTOMATIC SPRINKLER PROTECTION	SF	50,000	2	( 100)
SUPPORTING FACILITIES				3,300
UTILITIES	LS			( 900)
PAVEMENTS	LS			( 700)
SITE IMPROVEMENTS	LS			( 700)
DEMOLITION	SF	50,000	20	(1,000)
SUBTOTAL	İ			9,448
CONTINGENCY (5%)				472
TOTAL CONTRACT COST				9,920
SUPERVISION, INSPECTION AND OVERHEAD (6%)				595
TOTAL REQUEST	l			10,515
TOTAL REQUEST (ROUNDED)	İ			10,500
	1			

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundry, storage and lounge areas, fire protection, demolition, and other necessary support. Air Conditioning: 100 Tons. Grade Mix: 142 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Constructs two dormitories. (Current Mission)

REQUIREMENT: This is a Level I commander's facility assessment (CFA) project. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 142 personnel: 142 E1-E4, with a maximum utilization of 142 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient noise attenuation to adequately house enlisted personnel. Travis AFB has the worst dormitories in Air Mobility Command. Two substandard dormitories totalling 50,000 squarefeet will be demolished as a result of this project.

IMPACT IF NOT PROVIDED: Substandard living accommodations on base will continue to be a contributing factor to low morale, reduced productivity and dissatisfaction with Air Force life for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new

1. COMPONENT FY	Y 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND		
4. PROJECT TITLE	5.	. PROJECT NUMBER
DORMITORIES		XDAT973022

uniform barracks standard established by OSD. An economic analysis has been prepared comparing alternatives of new construction, demolishing existing dorms and sending enlisted personnel off base paying BAQ/VHA, revitalization and status quo operation. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project.

	OMPON	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	1 "	2. DATE
AIR F	ORCE		(computer generated)	l'A	
			ON AND LOCATION		
			RCE BASE, CALIFORNIA		· · · · · · · · · · · · · · · · · · ·
PR	OJEC	T TIT	rle	5. PROJ	JECT NUMBER
ORMT	TORI	R.S		V D N U	r973022
	101(1			ADA I	1973022
.2.	SUPP	LEMEN	NTAL DATA:		
a.	Est	imate	ed Design Data:		
	(1)	Sta	atus:		
		(a)	Date Design Started		94 JUN 09
			Parametric Cost Estimates used to develop c	osts	Y
			Percent Complete as of Jan 1995		40%
			Date 35% Designed.		94 SEP 30
		(e)	Date Design Complete		95 JUN 01
	(2)	Bas	sis:		
	(-)		Standard or Definitive Design ~		YES
			Where Design Was Most Recently Used -		TRAVIS
	(3)	Tot	:al Cost (c) = (a) + (b) or (d) + (e):		(\$000
	, ,	(a)			400
		(b)			280
		(C)	Total		680
		(d)	Contract		500
		(e)	In-house		180
	(4)	Con	struction Start		96 MAR
. Ed	quipn appr	ent opri	associated with this project will be provide ations: $N/A$	d from	

1. COMPONENT							2. DA	TE				
AID HODGE	FY 1996 MILITARY CONSTRUCTION PROGRAM AIR FORCE (computer generated)											
AIR FORCE	ON AND TOO			puter	7					5. AR	ED CC	NICE
3. INSTALLATI						DIAMMO				1		
VANDENBERG A	R FORCE BAS	SE,			AIR I						ST IN	IDEX
CALIFORNIA						COMM					.36	
6. PERSONNEL		PE	RMANI	ENT	S	UDENT	S	SUI	POR	red	1	
STRENGTH		OFF 1		CIV		ENL	CIV	OFF	ENI	CIV	<del></del>	
a. As of 30 S	EP 94   6	624	2419	1242							1 '	285
b. End FY 200	00 6	608	2219	1157							3,	984
		7.	INV	ENTORY	DATA	(\$000	)					
a. Total Acre	age: ( 9	98,83	0)									
b. Inventory	Total As Of	<b>E:</b> (:	30 SI	EP 94)					1,	118,3	83	
c. Authorizat										32,5	28	
d. Authorizat					gram:					6,0	00	
e. Authorizat						am:	(FY 1	1997)		1,0		
f. Planned Ir				-	_	•	•	,		27,2	,	
g. Remaining										65,4		
h. Grand Tota	_	•							1	250,5		
8. PROJECTS P		T THE	S DDC	YCDAM.	EV 1	996				230,3	<i></i>	
CATEGORY	EQUESTED IN	4 IUI:	5 FAC	JGKAM.	r i	. 5 5 0		COST	-	ESIGN	ድሞልጥ	110
			T (20			COPE		_	_			— 1
CODE	PROJECT	r TITI	<u> </u>		=	COPE		(\$000	2	START	<u>CM</u>	<u> </u>
130-142 FIRE	STATION					8,500	SF	2,00	0 J	UN 94	FEB	95
1	- CHEMICAL	TES	r and	)	1	4,600	SF	4,00	o J	TUL 93	AUG	94
ANA	LYSIS LABOR	RATOR	ď									
						TOTAL:	-	6,00	0			
9a. Future P	rojects: I	[nclud	led i	n the	Follo	wing F	rogr	am (F	Y 19	97)		
171-476 COMB						5,000				•		ľ
						TOTAL:	_	1,01				
9b. Future P	rojects: I	vpica	al Pl	anned								Î
171-621 TECH						5,000			0			
411-139 HAZA						5,000		1,20				1
	ILITY				_			- •				1
]		TING	FACT	LITY			LS	2,00	0			
	833-354 REGIONAL COMPOSTING FACILITY LS 2,000  10. Mission or Major Functions: Headquarters Fourteenth Air Force; a											
space wing wi												f
the Space and												-
						. ALL I	Juuca	1011	and	114111	-119	
Command space						dofici	ongi	001		L-190		
11. Outstand	ing polluti	.on ar	ıu Sē	rrech (	(Jon)	derici	Lenc1	.65.				
a. Air	pollution:									(	0	İ
										7,00		
	r pollution			hon1++							0	
	pational sa	_		nealtr	1:						_	
d. Othe	r Environme	ental:	•							5,00	U	ł

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION 4. PROJECT TITLE	

VANDENBERG AIR FORCE BASE, CALIFORNIA FIRE STATION

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

3.59.96 130-142 XUMU884004 2,000

9. COST ESTIMATE	S			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE STATION SUPPORTING FACILITIES UTILITIES PAVEMENTS SITE IMPROVEMENTS BUILDING DEMOLITION PAVEMENT DEMOLITION SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	SF LS SY LS SF SY	8,500 18,000 6,200 8,000	135 17 13 3	1,148 650 ( 190) ( 305) ( 50) ( 80) ( 25) 1,798 90 1,888 113 2,001 2,000

10. Description of Proposed Construction: Builds one new station and demolishes two old stations. Construction includes a reinforced concrete foundation and floor slab; split face block walls; pitched, standing seam metal roof and fascia. Project provides vehicle stalls, living quarters, and an uninterruptible power system. Project includes all utilities, site improvements, and pavements. Air Conditioning: 5 Tons.

11. REQUIREMENT: 8,500 SF ADEQUATE: 0 SUBSTANDARD: 6,158 SF

PROJECT: Construct a fire station. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. An adequate, centrally located fire station is required to provide fire protection capabilities to south Vandenberg AFB. The station must be manned 24 hours a day, 7 days a week with overnight accommodations provided for firefighting personnel assigned to 24-hour shifts. Response time to the Atlas and Titan space launch complexes must be 4.5 minutes or less, per DODI 6055.6 and AFR 92-1, Ch 4, para 4-2 (1).

CURRENT SITUATION: Two substandard, poorly located fire stations currently exist. Consolidation of these two functions is required at a site which is central to the launch complexes. One existing station is a WW II woodframe structure. Door clearance limits the size of fire vehicles which can be sheltered. The electrical system does not meet current code, and the facility is energy inefficient and costly to maintain. Response time to the space launch complexes is over 13 minutes. This does not meet current DoD and Air Force criteria. The other station is a 25 year old metal building which is badly corroded due to the damp salt air environment; it is not repairable. Roof structural members are unsafe for maintenance people to walk on. It is inadequate in size and

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION P	2. DATE	
AIR FORCE	(computer generated)		
3. INSTALLATION VANDENBERG AIR	N AND LOCATION  FORCE BASE, CALIFORNIA		
4. PROJECT TIT		5. PROJECT NUM	BER
FIRE STATION		XUMU884004	

configuration for 24 hour operations. Open bay sleeping quarters do not

provide privacy for the male and female firefighters. Fire vehicles must be parked outdoors due to narrow door clearance, and are thus subject to rapid deterioration in the salt air. Scope and value of protected equipment and facilities: launch complexes and facilities on south Vandenberg AFB - \$300 million; cost of a Titan 4 missile including launch services - in excess of \$400 million; payload values per launch - in excess of \$1.5 billion. South Vandenberg AFB contains 35,070 acres, requiring wild land fire fighting capability. Demolition of the two existing substandard facilities (6,158 SF) is included in this project. IMPACT IF NOT PROVIDED: Unacceptable response time will continue to put valuable Air Force Space Command assets at considerable risk. The protracted use of substandard, deteriorated facilities will result in inefficient operations, higher maintenance costs, and unresponsive fire protection services. Fire protection personnel will continue to work in substandard, inefficient, and overcrowded facilities which will adversely impact their ability to provide fire protection to south Vandenberg AFB. The impact of deferred satellite coverage on its primary mission, due to launch delay, is incalculable in terms of national importance. Fire at a launch complex will have a 9 minute headstart. ADDITIONAL: Criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" are satisfied. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

L. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A	
AIR FORCE	(computer generated)		
3. INSTALLATIO	ON AND LOCATION		
	R FORCE BASE, CALIFORNIA		
. PROJECT TI	CLE	5. PRO	DJECT NUMBE
TIRE STATION		AUX	1U884004
2. SUPPLEMEN	ITAL DATA:		
a Babinata	A Danier Date		
a. Estimate	ed Design Data:		
(1) Sta	tus:		
(1) Sta			04 7**** 0
(b)	<u> </u>		94 JUN 0
	Percent Complete as of Jan 1995	OBES	35
	Date 35% Designed.		94 OCT 0
	Date Design Complete		95 FEB 2
	•		
(2) Bas	is:		
(a)	Standard or Definitive Design -		ИО
(þ)	Where Design Was Most Recently Used -		N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$00
(a)			12
(b)			8
(c)	Total		20
(d)	Contract		
(e)	In-house		20
(4) Con	struction Start		96 AP
. Equipment	associated with this project will be provide		

other appropriations: N/A

1. COMPONENT			2. DATE	
	FY 1996 MILITARY CON	STRUCTION PROJECT DATA		
AIR FORCE	(computer	generated)		
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE		
		SLFI - CHEMICAL TEST	r and	
VANDENBERG AIR FORCE BASE, CALIFORNIA ANALYSIS LABORATORY				
5. PROGRAM EL	EMENT 6. CATEGORY CODE 7	. PROJECT NUMBER 8. PROJE	CT COST(\$000)	

3.51.81 141-766 XUMU934002 4,000

9. COST ESTIMATES						
			UNIT	COST		
ITEM	א/ט	QUANTITY	COST	(\$000)		
SLFI - CHEMICAL TEST AND ANALYSIS	1					
LABORATORY	SF	14,600		2,997		
LIQUID FUEL ANALYSIS TECH LAB	SF	14,000	210	(2,940)		
HAZARDOUS MATERIAL STORAGE	SF	600	95	( 57)		
SUPPORTING FACILITIES				605		
COMMUNICATIONS SUPPORT	LS			( 140)		
WATER, SEWER, GAS	LS	:		( 85)		
DEMOLITION	SF	5,900	36	( 210)		
SITE IMPROVEMENTS	LS			( 75)		
PAVEMENTS	SY	2,400	40	( 95)		
SUBTOTAL	1 1			3,602		
CONTINGENCY (5%)				180		
TOTAL CONTRACT COST				3,782		
SUPERVISION, INSPECTION AND OVERHEAD (6%)				227		
TOTAL REQUEST				4,009		
TOTAL REQUEST (ROUNDED)				4,000		
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)		ŀ		(419)		
(4.6.1. 1.2.)				(419)		

10. Description of Proposed Construction: Concrete block walls, concrete foundation and slab, built up roof. Special heating, ventilating and air conditioning with controls. Rooms for propellant and oxidizer storage, overhead doors for material delivery, computer room, special shielding for x-ray room. Utilities and site work as required. Demolish three existing buildings (which contain asbestos and lead-based paint). Air Conditioning: 80 Tons.

11. REQUIREMENT: 14,600 SF ADEQUATE: 0 SUBSTANDARD: 5,877 SF

PROJECT: Construct a chemical test and analysis laboratory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This is also a Space Launch Facilities Infrastructure (SLFI) requirement. This project will provide critical launch operations support for Atlas, Titan, Delta, Scout, Taurus, and Pegasus space launch systems, and the Peacekeeper ICBM system. The tests and analyses performed in this facility ascertain the quality of gases, lubricants, hydraulic fluids, cryogenics, and aerospace propellants; identify contaminants that could cause malfunctions or failures in rockets, payloads, and ground support systems; and monitor post launch environmental conditions.

CURRENT SITUATION: The existing facility has uncorrectable safety deficiencies. It does not meet California seismic codes and cannot be made to meet them economically. Structural deficiencies are causing severe operational problems due to vibration of sensitive measurement equipment. Results are sometimes inconsistent and tests must be rerun. Because of a lack of laboratory space, the number of chemical fume hoods in the facility is insufficient to fully support oxidizer and hydrazine analysis requirements. Delays to Titan launch operations have occurred

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJ	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATIO VANDENBERG AIR	N AND LOCATION  FORCE BASE, CALIFORNIA	
4. PROJECT TIT	LE	5. PROJECT NUMBER
CIPI - OURNION	L TEST AND ANALYSIS LABORATORY	XUMU934002

because the location of the exhausts (only 15 feet from fresh air intakes) for the toxic chemical fumehoods does not permit chemists to conduct propellant tests unless a five knot wind is present. The existing facility has become dangerously overcrowded with instrumentation and equipment needed to support new environmental and waste testing programs and other launch-related requirements. Base safety inspection reports routinely list numerous space deficiencies; offices and labs must share the same space. Additional space is not available either in or around the existing facility. Due to lack of space, approximately 4,750 environmental tests must be performed each year by private contractors. Many of these tests are very expensive. For example, the "EPA toxicity metals test" costs about \$700 per test to contract out, whereas this test would cost only about \$200 if done in the local lab. Approximately 190 of these tests are done each year; consequently, this type of test alone costs about \$95,000 per year to contract out. Electrical wiring does not meet National Electrical Code requirements. Three buildings (5,877 square feet in area) will be demolished as a result of this project. IMPACT IF NOT PROVIDED: Existing safety deficiencies and the shortage of adequate laboratory space will continue to jeopardize the availability, quality, and reliability of critical, mission-essential support of spacelift and ICBM operations. The success of these missions could be adversely affected by a failure to identify contaminants in a propellant. These deficiencies are also preventing the timely development of hazardous waste testing capabilities required to comply with federal and state regulations regarding the transportation and disposition of hazardous materials. The tests described above will have to continue to be contracted out.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide", or in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

1. COMPONENT		TARY CONSTRUCTION	PROJECT DATA	2. DATE
AIR FORCE		computer generate	ed)	
3. INSTALLAT	ON AND LOCATION			
VANDENBERG A	R FORCE BASE, CA	T.TEODNT A		
4. PROJECT T		BITOINIA	5	. PROJECT NUMBER
SLFI - CHEMIC	AL TEST AND ANAL	YSIS LABORATORY		XUMU934002
12. SUPPLEME	NTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:			
	Date Design St			93 JUL 22
		t Estimates used		sts Y
		te as of Jan 1995	î.	100%
	Date 35% Design Con			93 OCT 07
(e)	Date Design Co.	mbrece		94 AUG 30
(2) Ba	sis:			
		finitive Design -		NO
(p)	Where Design Wa	as Most Recently	Used -	N/A
(3) To	tal Cost (c) = (a	a) + (b) or (d) +	(e):	(\$000)
` , (a)	Production of I	Plans and Specific	cations	240
	All Other Design			197
• •	Total			437
	Contract			357
(e)	In-house			80
(4) Co	nstruction Start			96 MAR
				, , , ,
. Equipment		444-		_
ther appropri		this project will	be provided	irom
•				
	Diam		FISCAL YEA	
<del>-</del>	PMENT CLATURE	PROCURING	APPROPRIATE	
NOME	CLAIUKE	APPROPRIATION	OR REQUESTE	D (\$000)
CANNING ELECT	RON MICROSCOPE	3080	1995	300
AS CHROMATOGE	APH SYSTEM	3080	1995	105
ROTARY ESTIM	ATOR	3080	1995	3
ZERO HEADSPA		3080	1995	3
ZERO HEADSPA	CE EXTRACTORS  2 WATER BATHS	3080 3080	1995	6

1. COMPONENT	V 1996 MITTO	ADV CC	NC MD ***	7MT 011	חחססי	DAM	2	. DA	ΓE
AIR FORCE	Y 1996 MILITA				PKUGI	MAA			
3. INSTALLATION AND		puter	<del></del>	DMMAND			-   -	, ADI	EA CONS
CLASSIFIED LOCATIONS				NAMED			1		ST INDE
OUTSIDE THE UNITED ST	•								.00
6. PERSONNEL	PERMANE	ENT	91	CUDENT	S	SUP	PORTE		. 00
STRENGTH	OFF ENL			ENL	,		ENL	CIV	TOTAL
a. As of 30 SEP 94			011	2112	011	011	2112	CIV	TOTAL
b. End FY 2000									
	7. INVE	ENTORY	DATA	(\$000	\	<u> </u>		1	
a. Total Acreage: (		31.401.1	<b>D</b>	(\$000					······································
b. Inventory Total A		EP 941							0
c. Authorization Not		-							0
d. Authorization Requ		_	ram:					17,80	_
e. Authorization Inc.				am:	FY 1	9971		19,52	
f. Planned In Next Fo				,		,	•		_
g. Remaining Deficien	_								0 0
h. Grand Total:	•			•					o .
8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY 1	996		•			<del> </del>
CATEGORY						COST	DE:	SIGN	STATUS
CODE PROJ	ECT TITLE		S	COPE		(\$000)	-	PART	CMPL
			-			74227			<u> </u>
100-000 SPECIAL TAC	CICAL UNIT				LS	700	)		
DETACHMENT	FACILITY								
214-425 VEHICLE MAIN	TENANCE FACI	LITY	1	3,000	SF	1,600	) API	R 94	JUN 95
442-758 WAR READINES						15,500			
WAREHOUSES				·		•			
				TOTAL:	<u> </u>	17,800	5		
9a. Future Projects:	Included i	n the	Follo	wing F	rogr	am (FY	199	7)	
100-000 SPECIAL TACT	CICAL UNIT				LS	4,226	5		
DETACHMENT									
422-264 MUNITIONS ST		3	5	4,500	SF	7,000	)		
442-758 WAR READINES	S MATERIAL		1	5,000	SF	2,300	)		
WAREHOUSE									
442-758 WAR READINES	S MATERIAL		10	0,000	SF	6,000	)		
WAREHOUSES					_		_		
				TOTAL:		19,526	<u> </u>		
9b. Future Projects:									
11. Outstanding poll	ution and sa	fety (	(OSH)	defici	enci	es:			
a. Air pollutio								0	
b. Water pollut								0	
c. Occupational	-	nealth	1:					0	
d. Other Enviro	nmental:							C	)

T .									T-			
1. COMPONENT									2.	DA:	ΓE	
	FY	1996 MILIT				PROG	RAM		1			
AIR FORCE			puter	<del>7</del>					<u> </u>			
3. INSTALLATION				4. C	DNAMMO				5.		EA CO	
BUCKLEY AIR N	ATIONAL (	GUARD BASE,		1							ST IN	DEX
COLORADO					NATION				<u> </u>		.03	
6. PERSONNEL	_	PERMAN.	<del></del>		TUDENT:			POR			_	
STRENGTH	_		CIV	OFF	ENL	CIV	OFF	ENI	<u> </u>	CIV	TOT	
a. As of 30 S	EP 94	91 617		1					i			31
b. End FY 200	0	89 611	<del></del>	<del></del>							1,	28
		7. INV	ENTORY	DATA	(\$000	)						
a. Total Acre	•											
b. Inventory										3,04		
c. Authorizat	ion Not 1	et In Inve	ntory:							3,55		
d. Authorizat	ion Reque	ested In Th	is Pro	gram:						5,50	00	
e. Authorizat	ion Inclu	ided In Fol:	lowing	Progi	am:	(FY ]	.997)			3,50	00 ,	
f. Planned In	Next Fou	ır Program 1	Years:		1						0	
g. Remaining I	Deficiend	y:							1	1,00	0	
h. Grand Tota									19	6,59	2	
8. PROJECTS RI	EQUESTED	IN THIS PRO	OGRAM:	FY 3	1996							
CATEGORY							COSI	· <u> </u>	ES	IGN	STAT	US
CODE	PROJE	CT TITLE		5	COPE		(\$000	<u>)</u>	ST	ART	CM	PL
721-312 TROO	P SUPPORT	FACILITIES	S		150	PN _	5,50	<u>0</u> J	JUL	94	AUG	9!
					TOTAL:		5,50					
9a. Future P	rojects:	Included :	in the		_	_			97	)		
442-758 BASE	SUPPLY A	AND EQUIPME	NT	4	10,000	SF	3,50	0				
WARI	EHOUSE					_						
					TOTAL		3,50	0				
		Typical P										
		Functions:										5
with T-43s and										n Ai	.r	
National Guard					_			adro	n.			
11. Outstand:	ing pollu	ition and sa	afety	(OSH)	defici	ienci	es:					
n n:	00110460									o	)	
-	pollution r polluti									C		
	-		hoo1+1	<b>.</b> .						C		
_		safety and	nearti	11.						0		
d. Other	r Environ	mental:								U	,	

1. COMPONENT			2. DATE
FY	1996 MILITARY CONSTRU	CTION PROJECT DATA	
AIR FORCE	(computer gen	erated)	
3. INSTALLATION AND	LOCATION	4. PROJECT TITLE	
BUCKLEY AIR NATIONA	L GUARD BASE,		
COLORADO		TROOP SUPPORT FACIL	ITIES
5. PROGRAM ELEMENT	6. CATEGORY CODE 7. PRO	DIECT NUMBER 8. PROI	ECT COST(SOCO)

3.41.11 721-312 CRWU961460 5,500

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
TROOP SUPPORT FACILITIES	SF	42,200		4,073
DORMITORY (150 PN)	SF	30,000	94	(2,820)
ADD TO DINING FACILITY	SF	2,500	140	( 350)
FITNESS CENTER	SF	4,700	90	( 423)
ADMINISTRATIVE SUPPORT FACILITY	SF	5,000	96	( 480)
SUPPORTING FACILITIES				895
UTILITIES	LS			( 300)
PAVEMENTS	LS			( 125)
SITE IMPROVEMENTS	LS			( 100)
DEMOLITION/ASBESTOS REMOVAL	SF	37,000	10	( 370)
SUBTOTAL				4,968
CONTINGENCY (5%)				248
TOTAL CONTRACT COST				5,216
SUPERVISION, INSPECTION AND OVERHEAD (6%)			i	313
TOTAL REQUEST				5,529
TOTAL REQUEST (ROUNDED)				5,500
				ļ

10. Description of Proposed Construction: Concrete foundation, floor slab, masonry walls, structural frame and built-up roof. Includes room-bath-room modules, laundries, storage, lounge, administrative space, and fitness center. Provide addition to dining facility and demolish two condemned buildings, including asbestos removal at the site of new construction, and provide necessary support.

Air Conditioning: 40 Tons. Grade Mix: 150 E1-E4.

11. REQUIREMENT: 150 PN ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct troop support facilities. (New Mission)

REQUIREMENT: Adequate on-base quarters are required for unaccompanied enlisted personnel who will be assigned to the new Aerospace Data Facility (ADF) mission. This requirement supports the Air Force objective to provide personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Fitness and dining facilities are also needed to accommodate these additional personnel. The mission requirements of the ADF require quick personnel response which can only be provided by housing personnel on base. Also, administrative space is required for the Denver personnel support activities. This twenty-seven person office provides personnel support for the active duty members assigned to the Denver area.

CURRENT SITUATION: This Air National Guard base has no dormitories. The ADF personnel are currently housed at Lowry Air Force Base, which is scheduled for closure in September 1994. Also additional enlisted personnel will be assigned to this base in support of new and expanded

1. COMPONENT			2. DA	TE
	FY 1996 MILITARY CONSTRUCTION PROJECT I	ATA		
AIR FORCE	(computer generated)			
3. INSTALLAT	ION AND LOCATION			
BUCKLEY AIR	NATIONAL GUARD BASE, COLORADO			
4. PROJECT T	ITLE	5. PR	OJECT I	NUMBER
TROOP SUPPOR	T FACILITIES	(1)	WITTO 6 1 A	60

missions associated with the ADF. The existing dining hall and fitness center are inadequate to support the addition manpower. Two buildings totalling 37,000 SF will be demolished.

IMPACT IF NOT PROVIDED: Adequate living quarters, dining, fitness, and administrative facilities will be unavailable for Aerospace Data Facility personnel, resulting in degradation of ADF's unique mission as well as the morale and productivity of assigned personnel.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing, and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most economical and efficient over the life of the project. This is a companion to BRAC project CRWU953050, Dormitory, which provides living quarters for 150 additional enlisted personnel currently housed at Lowry AFB, which is scheduled for closure. Fire protection systems for this project meet new standards established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
DUGUI BU ATA	NAME OF THE PARTY	
4. PROJECT T	NATIONAL GUARD BASE, COLORADO	LE DROTROM NUMBER
4. PROJECT T	ITLE	5. PROJECT NUMBER
TROOP SUPPOR	T FACILITIES	CRWU961460
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S	hotug.	
, ,	) Date Design Started	94 JUL 06
•	) Parametric Cost Estimates used to develop of	
•	) Percent Complete as of Jan 1995 :	35%
	) Date 35% Designed.	94 NOV 30
•	) Date Design Complete	95 AUG 20
,		
(2) B		
•	Standard or Definitive Design -	NO
(þ	Where Design Was Most Recently Used -	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	320
· · · · · · · · · · · · · · · · · · ·	All Other Design Costs	175
	Total	495
(d	Contract	
(e	In-house	495
(4) Co	onstruction Start	96 FEB
. Equipment	associated with this project will be provide	ed from

other appropriations: N/A

1. COMPONENT			<del></del>			2. DA	re
FY 1996 MILITARY	CONSTRU	CTION 1	PROGI	RAM			
AIR FORCE (compute							
3. INSTALLATION AND LOCATION	4. C	DNAMMO				5. ARI	EA CONST
		FORCE					ST INDEX
PETERSON AIR FORCE BASE, COLORADO		E COMM		<del></del>			.06
6. PERSONNEL PERMANENT		TUDENTS			PORT		_
STRENGTH OFF ENL CI		ENL	CIV	OFF	ENI		TOTAL
a. As of 30 SEP 94   1211   1982   16				355		57 537	
b. End FY 2000   1181   1958   15	<del></del>	40000	<u> </u>	355	45	57 537	6,006
a. Total Acreage: (1,280)	KI DAIA	(\$000					
b. Inventory Total As Of: (30 SEP 9	4.					104 45	
c. Authorization Not Yet In Inventory	•					184,45	
d. Authorization Requested In This Pr						24,53	
e. Authorization Included In Followin		ram.	/EV 1	10071		4,39	0
f. Planned In Next Four Program Years		Lain: (	(FI ]	1997)		19,40	- 1
g. Remaining Deficiency:	•					32,26	
h. Grand Total:						265,04	
8. PROJECTS REQUESTED IN THIS PROGRAM	4: FY	1996				203,04	.0
CATEGORY	,			COST	ם	ESIGN	STATUS
CODE PROJECT TITLE	:	SCOPE		(\$000	_	START	CMPL
	•			<u> </u>	-L-		
130-142 FIRE STATION		5,400	SF	1,39	0 м	IAY 94	APR 95
721-312 ADD TO AND ALTER DORMITORY		67	PN	3,00		CT 92	i
		TOTAL:		4,39	ō		
9a. Future Projects: Included in the					Y 19	97) NC	NE
9b. Future Projects: Typical Planne							
442-758 BASE SUPPLIES & EQUIP WHSE		39,000		4,20	0		
721-312 ADD TO AND ALTER DORMITORY		134		3,40			
721-312 DORMITORY	<del></del>	422	PN	11,80	0		
10. Mission or Major Functions: Hea	adquarte	ers Uni	.ted	State	s Sp	ace	
Command; Headquarters Air Force Space	Comman	na; Hea	idqua	rters	Nor	th Ame	rican
Air Defense Command; Space and Warnin C-21 aircraft; the Air Force Materiel	g Syste	ems cer	iter;	a sp	ace	wing w	ith
and an Air Force Reserve airlift wing	Comman	o Spac	e sy	stems	Sup	port G	roup;
11. Outstanding pollution and safety					on.		
Jacobanaing politicion and salecy	(0311)	delici	.enc1	.es.			
a. Air pollution:						0	,
b. Water pollution:						0	
c. Occupational safety and heal	th:					0	}
d. Other Environmental:	. ••••					0	
							Ì

1. COMPONENT								2. DATE
	FY	1996	MILIT	ARY C	ONSTRUC	TION PROJECT	DATA	
AIR FORCE			(00	omput	er gene	rated)		
3. INSTALLATION	ON AND	LOCAT	ION			4. PROJECT	TITLE	
PETERSON AIR	FORCE	BASE,	COLORA	ADO		FIRE STATIO	N	
5. PROGRAM EL	EMENT	6. CATI	EGORY	CODE	7. PRO	JECT NUMBER	8. PROJEC	CT COST(\$000)
3.59.96		130	0-142		TDK	800EE9A	1	1,390
			q	COST	P ESTIM	ATES	<del></del>	

COST (\$000) 648
648
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600
( 70)
( 45)
( 485)
1,248
62
1,310
79
1,389
1,390
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10. Description of Proposed Construction: Construct a fire station with 2 vehicle bays, male/female sleeping rooms, latrines and showers, kitchen/dining, recreation, and office/training areas. Project includes site work, access road, parking areas, and connection to base alarm and energy monitoring systems.

Air Conditioning: 5 Tons.

11. REQUIREMENT: 5,400 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a fire station. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project will support aircraft crash rescue requirements for a newly constructed USAF/Commercial runway and provide structural fire response for high value Air Force assets on Peterson East. Department of Defense Instruction 6055.6 requires a 3-minute response time to the farthest end of the runway and a 4.5-minute response and 2-mile maximum distance for structures. The existing base fire station cannot meet these response and distance requirements.

CURRENT SITUATION: Peterson AFB and the Colorado Springs Airport operate under a mutual support agreement for crash rescue and airfield maintenance: Peterson provides crash rescue and structural fire support for the Airport, and the City maintains the runways and provides airfield management. Under this agreement, Peterson does not pay a user fee for military flights. The existing fire station is located too far from the new North runway to provide adequate crash rescue protection; test runs show that the crash response time is over the maximum time allowable by 30 seconds which is enough time to lose the crew and passengers in an aircraft accident. In addition, structural response routes for fires on Peterson East exceed the 2-mile DoD distance standard. The situation

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	1. COMPONENT		2. DATE
í	1	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	1
	AIR FORCE	(computer generated)	
		ON AND LOCATION  FORCE BASE, COLORADO	
	4. PROJECT TI	TLE 5.	PROJECT NUMBER
	FIRE STATION		#DKY033000

cannot be corrected by relocating the existing fire station because there is no single site which will meet the required response times for all runways and structures on Peterson AFB. The Fire Department is currently operating on a temporary waiver for crash response time for the new runway. This waiver is contingent upon the provision of a new fire station via the FY96 MILCON program.

IMPACT IF NOT PROVIDED: DoD standards for fire response will not be met. Aircraft passengers and crew plus \$500 million of existing and projected Air Force facilities and equipment will be at risk, as well as the lives and safety of USAF personnel working in the Peterson East area. The SAF/MII waiver for violating response criteria would have to be extended indefinitely. The operating agreement with the City of Colorado Springs would be placed in jeopardy. If the agreement is cancelled, the City could require payment of landing fees to support fire protection costs. Fees could total more than \$4 million per year.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". All known alternative options were considered during the development of this proposed project, and it was determined that this option was the optimum solution.

Page No

4			·
1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	;
AIR FORCE	(computer generated)		
3. INSTALLAT	ION AND LOCATION		
PETERSON AIR	FORCE BASE, COLORADO		
4. PROJECT T	ITLE	5. PR	OJECT NUMBER
FIRE STATION		TD:	KA933008
10			
12. SUPPLEMI	SNTAL DATA:		
a. Estimat	ed Design Data:		
(1) St	atus:		
(a)	Date Design Started		94 MAY 05
(b)	Parametric Cost Estimates used to develop	costs	Y
(c)	Percent Complete as of Jan 1995		65%
(d)	Date 35% Designed.		94 JUL 21
(e)	Date Design Complete		95 APR 14
(2) Ba	asis:		
	Standard or Definitive Design -		NO
	Where Design Was Most Recently Used -		N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	Production of Plans and Specifications		75
	All Other Design Costs		124
	Total		199
(d)	Contract		132
(e)	In-house		67
(4) Co	nstruction Start		96 APR
	associated with this project will be provide iations: N/A	ed from	n
••			

1. COMPONENT	FY 1996 MILITARY CONST	RUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer g		
3. INSTALLATION A	ND LOCATION	4. PROJECT TITLE	
PETERSON AIR FORC	E BASE, COLORADO	ADD TO AND ALTER DO	DRMITORY
5. PROGRAM ELEMEN	T 6. CATEGORY CODE 7. I	PROJECT NUMBER 8. PROJ	JECT COST(\$000)

TDKA923001

9. COST ESTIMATES						
			UNIT	COST		
ITEM	U/M	QUANTITY	COST	(\$000)		
ADD TO AND ALTER DORMITORY (67 PN)	SF	29,650		2,034		
ALTERATION	SF	26,300	59	(1,552)		
ADDITION (BALCONIES)	SF	3,350	89	( 298)		
AUTOMATIC SPRINKLER PROTECTION	SF	26,300	7	( 184)		
SUPPORTING FACILITIES				535		
UTILITIES	Ls	ļ		( 105)		
SITE IMPROVEMENTS	LS			( 210)		
PAVEMENTS	SY	2,400	17	( 40)		
ASBESTOS REMOVAL	LS			( 180)		
SUBTOTAL	1			2,569		
CONTINGENCY (10%)				257		
TOTAL CONTRACT COST				2,826		
SUPERVISION, INSPECTION AND OVERHEAD (6%)				170		
TOTAL REQUEST				2,996		
TOTAL REQUEST (ROUNDED)				3,000		
				2,000		

10. Description of Proposed Construction: Demolish existing partitions. Renovation to include provision of new room-bath-room configuration, new finishes, fixtures, plumbing, HVAC, and electrical systems. Conversion from interior to exterior room entrances with balconies added. Each floor will include a laundry room, dayroom, and storage areas. Asbestos removal required for mechanical components and floor tile.

Air Conditioning: 40 Tons. Grade Mix: 67 E1-E4.

11. REQUIREMENT: As required.

3.59.96

PROJECT: Add to and alter dormitory. (Current Mission)

721-312

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. This project will provide a properly-sized living area for each resident with semi-private latrines, lounge area and laundry on each floor, and storage within the facility. Estimated intended utilization is 67 personnel: 67 E1-E4, with an intended utilization of 67 personnel.

CURRENT SITUATION: The existing facility was built in the 1960's using brick/masonry construction. The three-story building has double occupancy rooms with a central latrine on each floor. This arrangement does not meet DoD living standards. Dormitory rooms have exposed masonry walls, high ceilings, inadequate lighting, obsolete electrical and mechanical systems, and inadequate insulation, all of which detract from the residents' privacy and comfort. The building is a maintenance and operational burden due to aging electrical, plumbing and HVAC systems; and it does not conform to national building codes. The sanitary sewer backs up into the basement, and the electrical feeder and transformer capacities

3,000

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
PETERSON AIR FORCE BASE, COLORADO	
4. PROJECT TITLE	5. PROJECT NUMBER
ADD TO AND ALTER DORMITORY	TDKA923001

are too small to meet today's standards and requirements.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and continue to have a negative impact on morale, productivity and career satisfaction for the enlisted force. The building will need increased maintenance and will continue to fail to meet DoD standards and national building code requirements.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. A life-cycle economic analysis was performed comparing all reasonable options for accomplishing this project. Based on net present values and benefits of the respective alternatives, renovation was found to be the most cost-effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HDBK-1008B, "Fire Protection for Facilities". Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD-approved unit cost factor for dormitories.

L. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
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3. INSTALLATI	ON AND LOCATION		
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PETERSON AIR PROJECT TI	FORCE BASE, COLORADO	T	TROW WILLIAM
. PRODECT II	1115	5. PRC	DJECT NUMBE
ADD TO AND AL	TER DORMITORY	TDF	(A923001
2. SUPPLEME	NTAL DATA:		
• Debine	and Davidson Dates		
a. Estimat	ed Design Data:		
(1) St	atus:		
, ,	Date Design Started		92 OCT 28
	Parametric Cost Estimates used to develop	costs	
	Percent Complete as of Jan 1995		100
	Date 35% Designed.		93 JAN 28
(e)	Date Design Complete		94 SEP 1
(2) Ba	sis:		
, ,	Standard or Definitive Design -		YES
	Where Design Was Most Recently Used -		PETERSOI
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a)			158
(b)	All Other Design Costs		21
(c)	Total		374
(d)	Contract		19:
(e)	In-house		18:
(4) Co	nstruction Start		96 MAI
. Equipment	associated with this project will be provide	ed from	

1 COMPONENT								Τ.	2. DA	TE	
1. COMPONENT	FY 1996	MITTONE	יע מחי	J C T D I I C	ייידראי	PROGE	MAS	1	Z. DR	1 E	
AIR FORCE	F1 1990	(compu				01					
3. INSTALLATION A	ND LOCATIO		ACCI S		MMAND				5. AR	EA CO	NST
UNITED STATES AIR					D STA			- 1		ST IN	
COLORADO	Y FORCE ACA	DEMI,		t	ORCE		EMY	ľ		.06	
6. PERSONNEL	D	ERMANEN	ıT.		UDENT			PORTI		<u> </u>	
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a. As of 30 SEP 9	<del></del>	1194				-	19	28		+	369
b. End FY 2000		1033				l I	19	28	1	1	250
D. ENG F1 2000		. INVEN							02		- 50
a. Total Acreage:			1101(1	Dilli	1000	<i></i>					
b. Inventory Tota		•	941					3	359,18	34	Į
c. Authorization									49,3		
d. Authorization			_	ram:					12,8		
e. Authorization					am:	(FY 1	.9971		10,4		- 1
f. Planned In Nex						,	,		33,59	•	- 1
g. Remaining Defi		···							36,49		
h. Grand Total:								5	01,89		1
8. PROJECTS REQUE	STED IN TH	IS PROG	RAM:	FY 1	996						
CATEGORY							COST	DE	SIGN	STATU	JS
	PROJECT TI	TT.E		s	COPE		(\$000)		TART	CMI	
CODE	INCODET II			=			14/				_
211-111 SAILPLAN	F HANGAR			4	0.000	SF	3,724	. At	IG 94	JUN	95
740-884 CHILD DE		CENTER			•		4,200		N 94		
821-117 UPGRADE					-		4,950		JL 93		- 1
SYSTEM	FACIBITIES			_	_,		.,				
SISIEM					TOTAL	-	12,874	<u>-</u>			İ
9a. Future Proje	cts: Incl	uded in	the						97)		
171-853 UPGRADE							10,470		•		
					TOTAL:	_	10,470				
9b. Future Proje	cts: Typi	cal Pla	nned	Next	Four 1	ears	:				
171-853 REPAIR U							11,000	)			l
TRAININ	G										ļ
171-853 UPGRADE	ACADEMIC F	ACILITY	,	10	9,650	SF	11,000	)			
PHASE I											ļ
610-284 RENOVATE	MAJOR COM	MAND		6	0,000	SF	4,300	)			ļ
HEADQUA											ļ
724-433 ADD TO A		REP SCH	OOL	4	5,543	SF	3,450	)			
DORMITO											ŀ
740-681 ADD TO A		ADET SO	CIAL		5,000	SF	2,500	)			
CENTER							-				
10. Mission or M	ajor Funct	ions:	Respo	nsib1	e for	prov	iding	educ	catio	n and	
training for cade	ts to becom	me Air	Force	offi	cers a	and i	.nclude	es a	T-41	/ <b>T-</b> 3	}
flying training s											
11. Outstanding						Lenci	.es:				
J	_		-	-							
a. Air poll	ution:								(	0	ł
b. Water po									(	)	
_	onal safet	y and h	ealth	<b>1</b> :					(	)	
-	vironmenta	_							(	כ	

		2. DATE
FY 1996 MILITARY CONS	TRUCTION PROJECT DATA	
(computer	generated)	
ON AND LOCATION	4. PROJECT TITLE	
AIR FORCE ACADEMY,		
	SAILPLANE HANGAR	
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA  (computer generated)  ON AND LOCATION  AIR FORCE ACADEMY,  4. PROJECT TITLE

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)
8.58.96 211-111 XQPZ930030 3,724

9. COST ESTIMATES						
			UNIT	COST		
ITEM	ש/ט	QUANTITY	COST	(\$000)		
SAILPLANE HANGAR	SF	40,000	79	3,160		
SUPPORTING FACILITIES				180		
UTILITIES	LS			( 50)		
PAVEMENTS	LS			( 65)		
SITE IMPROVEMENTS	LS		• :	( 50)		
DEMOLITION	SF	7,200	2	(15)		
SUBTOTAL		'		3,340		
CONTINGENCY (5%)	İ			<u> 167</u>		
TOTAL CONTRACT COST				3,507		
SUPERVISION, INSPECTION AND OVERHEAD (6%)				210		
TOTAL REQUEST		٠		3,717		
TOTAL REQUEST (ROUNDED)				3,724		
				1		
	1					

- 10. Description of Proposed Construction: Reinforced concrete footings, foundation and floor slab, pre-cast concrete walls, insulated walls and roof, fire protection system, utilities and necessary support. Open area for storage and maintenance of sailplanes. Provide extension of existing aircraft access pavement. Demolish one temporary hangar (7200 SF).
- 11. REQUIREMENT: 40,000 SF ADEQUATE: 0 SUBSTANDARD: 7,200 SF PROJECT: Construct a sailplane hangar. (Current Mission)
  REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A hangar is required to protect sailplanes and motorgliders from adverse weather conditions. Participation in the Academy soaring program is a graduation requirement. The program provides cadets with knowledge in airmanship, situational awareness, cross-country procedures, and training in high altitude procedures.

CURRENT SITUATION: The Academy currently possesses 18 sailplanes and 9 motorgliders. Eight additional sailplanes and two motorgliders are being procured. Presently aircraft are either crammed into existing facilities or must be disassembled each day and stored in trailers. The lack of adequate hangar space will be compounded with the arrival of additional sailplanes and motorgliders. Further, most sailplanes and motorgliders will be displaced from their present hangar space by seven T-41 and three C-150 aircraft which are being displaced by the new Enhanced Flight Screener (EFS) T-3A aircraft in the fall of 1994. Continued disassembly and reassembly of aircraft is a time consuming process which seriously hinders flight training. Disassembly and reassembly of aircraft also introduces safety risks which could lead to catastrophic consequences. Also, these aircraft are made from fragile composite materials which are extremely sensitive to damage from sunlight, high winds, water, and hail.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	4
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
UNITED STATES	S AIR FORCE ACADEMY, COLORADO	
4. PROJECT TI	[TLE 5	. PROJECT NUMBER
SATI.PLANE HAN	JCAR	Y027930030

Exposure to these conditions, over a long period of time, can weaken the airframe structure up to 85 percent. The Academy experiences severe weather on a recurring basis. Winds over 35 knots occur on the average of 134 days per year and hail, at least 1/4 inches in diameter, falls on an average of 15 days per year. This project will allow demolition of a temporary hangar facility.

IMPACT IF NOT PROVIDED: Adequate hangar space for sailplanes and motorgliders will not be available. The soaring program will continue to be an inefficient operation because aircraft must be constantly disassembled and reassembled. The potential for an aircraft incident, due to this mode of operation, will continue. Aircraft will be exposed to the harsh local weather conditions causing extensive aircraft damage. Expensive repairs will be required and the mission will suffer because of the time required to carry out these repairs. Expected airframe lives of the sailplanes and gliders will be dramatically reduced without this project.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements." The scope of this project is based on actual aircraft dimensions and established safety criteria. An economic analysis has been prepared comparing the alternatives of new construction and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

1. COMPONENT		2. DATE
AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
	ION AND LOCATION	
). INSTRUURI	ION AND LOCATION	
NITED STATE	S AIR FORCE ACADEMY, COLORADO	
. PROJECT T	ITLE 5. I	PROJECT NUMBER
AILPLANE HA	NGAR 2	KQPZ930030
2. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S	tatus:	
	) Date Design Started	94 AUG 12
	) Parametric Cost Estimates used to develop costs	
	) Percent Complete as of Jan 1995	35%
	) Date 35% Designed.	94 SEP 27
·	) Date Design Complete	95 JUN 01
, e	,	22 2011 01
(2) B		
•	) Standard or Definitive Design -	МО
(þ	) Where Design Was Most Recently Used -	N/A
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	) Production of Plans and Specifications	190
	) All Other Design Costs	155
	) Total	345
•	) Contract	230
•	) In-house	115
(4) C	onstruction Start	96 JAN
( - 7 -		
. Equipment	t associated with this project will be provided fr	com

1. COMPONENT			2. DATE
	FY 1996 MILITARY CON	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	
UNITED STATES	S AIR FORCE ACADEMY,		
COLORADO		CHILD DEVELOPMENT C	ENTER
5. PROGRAM EI	EMENT 6. CATEGORY CODE 7	. PROJECT NUMBER 8. PROJ	ECT COST(SOCO)

740-884

XQPZ930036

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
CHILD DEVELOPMENT CENTER	SF	23,700	120	2,844
SUPPORTING FACILITIES				935
UTILITIES	LS			( 200)
SITE IMPROVEMENTS	LS			( 200)
PAVEMENTS	LS			( 200)
PLAYGROUND EQUIPMENT	LS			( 125)
DEMOLITION	SF	10,600	20	(210)
SUBTOTAL				3,779
CONTINGENCY (5%)				189
TOTAL CONTRACT COST				3,968
SUPERVISION, INSPECTION AND OVERHEAD (6%)				238
TOTAL REQUEST				4,206
TOTAL REQUEST (ROUNDED)				4,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(127)
				İ

Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry walls, structural steel frame and metal roof system. Includes playground equipment, pavements, fencing, access drive, parking, utilities, site improvements, and all necessary support. Demolish three sub-standard facilities (10,649 SF).

Air Conditioning: 60 Tons.

8.58.96

11. REQUIREMENT: 35,369 SF ADEQUATE: 11,669 SF SUBSTANDARD: PROJECT: Construct a child development center. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Child development services are required for a total of 354 dependent children. A properly sized and functionally configured child development center is needed to provide supervised care for children ages six weeks through twelve years. Adequate child care facilities must be provided to accommodate the special requirements placed on military and civilian families as well as single parents. The programs offered must provide professional care, operate during nonstandard hours, provide services on an hourly, daily, or part-time basis, and provide early development care for children. The facility must provide areas for multiple program operations, allow simultaneous care of different age groups, provide space for parent involvement through conferences/workshops, and support family day care and training programs. CURRENT SITUATION: Presently, services are provided in one permanent and two temporary facilities. The permanent facility supporting 105 children is in adequate condition and will continue to be used. The temporary facilities have several fire deficiencies which endanger the occupants as well as threaten loss of accreditation. Temporary waivers allow use of

4,200

1	1. COMPONENT		2. DA	TE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	i	
1	AIR FORCE (computer generated)			
_	3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO			
	4. PROJECT TITLE	5.	PROJECT	NUMBER
1	CHILD DEVELOPMENT CENTER		XQPZ9300	36

the facilities for a limited time. Existing facilities can support a total of 220 children. Daily attendance at the centers averages 220, or 100%. Currently the waiting list ranges between 65 and 120 children. actual number of children not being accommodated is higher because many parents to not bother placing their children on the list once they learn the required waiting period. This project will provide a facility to serve a total of 249 children. Many Academy employees must attempt to find accredited off-base child care facilities 10-23 miles away because of the long waiting list. Only 14 out of 110 local centers are accredited, and Academy personnel are eligible to use only 8 of these. Local accredited centers have long waiting lists, forcing Academy personnel to use nonaccredited centers. Due to space limitations, drop-in services cannot be provided. The permanent child development center cannot be expanded in any direction since it has a main arterial road to the south, AAFES gas station to the west, and steep rugged slopes on the north and east. This project will allow removal of two temporary facilities and demolition of a sub-standard building formerly used for child care. Child care provided at the Academy averages \$48 per week per child and averages \$120 per week per child on the local economy. IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Personnel will be forced to find other more expensive and unaccredited child care services off the installation 10-23 This inability to provide safe and worry-free child care and miles away. preschool activities will cause unnecessary stress and financial hardship to those personnel who require these services. Some families will not be able to find affordable child care services, forcing parents to either quit work or place their children with unqualified people. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. An economic analysis has been prepared comparing alternatives of new construction and status quo operation. Based on net present value and benefits of the respective alternatives, new construction was found to be the more cost effective alternative over the life of the project.

1. COMPONEN	T			2. DATE
		TARY CONSTRUCTION		
AIR FORCE		computer generated	1)	
3. INSTALLA	TION AND LOCATION			
	ES AIR FORCE ACADE	MY, COLORADO		
4. PROJECT	TITLE		5. PR	OJECT NUMBER
CHILD DEVEL	OPMENT CENTER		XQ	PZ930036
12. SUPPLE	MENTAL DATA:			
a. Estim	ated Design Data:			
(1)	Status:			
	a) Date Design Sta			94 JAN 23
	b) Parametric Cost		o develop costs	Y
	c) Percent Complet		t	100%
	d) Date 35% Design			94 APR 12
(	e) Date Design Cor	mplete		95 JAN 03
(2)	Basis:			
(	a) Standard or De	finitive Design -		МО
(	b) Where Design Wa	as Most Recently U	Jsed -	N/A
(3)	Total Cost (c) = (a	a) + (b) or (d) +	(e):	(\$000)
(	a) Production of I	Plans and Specific	ations	228
(1	b) All Other Design	n Costs		251
	c) Total			479
	d) Contract			361
(	e) In-house			118
(4)	Construction Start			96 JAN
			`	
b. Equipment other approp	nt associated with priations:	this project will	be provided from	n
			FISCAL YEAR	
EC	QUIPMENT	PROCURING	APPROPRIATED	COST
	MENCLATURE	APPROPRIATION		(\$000)
CHILD DEV CT	TR EQUIPMENT	3080	95	127

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONST	RUCTION PROJECT DATA	
AIR FORCE	(computer g	enerated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	
UNITED STATES	S AIR FORCE ACADEMY,	UPGRADE FACILITIES H	HEATING
COLORADO		CVCTEM	

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)
8.58.96 821-117 XQPZ920033 4,950

9. COST ESTIMATES

9. COST ESTIMA:	LES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE FACILITIES HEATING SYSTEM				2,880
INSTALL 7 INDIVIDUAL BOILERS	EA	7	411,430	(2,880)
SUPPORTING FACILITIES				1,360
DEMOLITION	SF	4,950	48	( 240
ASBESTOS REMOVAL	LS			( 360
REMOVE UNDERGROUND STORAGE TANKS	EA	2	45,000	( 90)
SITE RESTORATION	LS	¢ .		( 20)
UTILITIES	LS			(650
SUBTOTAL				4,240
CONTINGENCY (10%)				424
TOTAL CONTRACT COST				4,664
SUPERVISION, INSPECTION AND OVERHEAD (6%)	ł			280
TOTAL REQUEST				4,944
TOTAL REQUEST (ROUNDED)		i a		4,950

- 10. Description of Proposed Construction: Demolish existing high temperature hot water (HTHW) heat plant (4950 SF) and provide seven individual natural gas-fired hot water boilers to support seven existing facilities. Demolition includes removal of asbestos and underground fuel storage tanks. Abandon underground HTHW distribution system in place. Project includes all utilities and necessary support.
- 11. REQUIREMENT: 10 MB ADEQUATE: 0 SUBSTANDARD: 60 MB

  PROJECT: Upgrade facilities heating system. (Current Mission)

  REQUIREMENT: This is a Level I Commander's Facility assessment
  requirement. A reliable and functional heat supply is required for
  facilities located within the service and supply area of the Air Force
  Academy for at least eight months of the year. The security police, civil
  engineer, civilian personnel, vehicle maintenance, and logistics functions
  occupy approximately 308,000 SF within this area and are dependent upon an
  extremely deteriorated and antiquated heating system. The existing
  system, consisting of a central heat plant and underground distribution
  system, is on the verge of failure and is expensive to operate and
  maintain. This project will provide stand-alone heating systems at each
  facility within the area, significantly saving energy and lowering
  operating costs.

CURRENT SITUATION: The existing heat plant has two 30 million BTUH high temperature hot water (HTHW) boilers supplying heat to seven outlying buildings. The boilers are 33 years old; well beyond their expected useful life. Further, boilers are oversized by 300% for the peak heating load. Operation at this level is extremely inefficient. Detailed inspections of the boilers indicate they must be replaced no later than 1996 to avoid total plant failure and loss of heat to mission essential

1. COMPONENT	2. DATE
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3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO	
4. PROJECT TITLE	5. PROJECT NUMBER
UPGRADE FACILITIES HEATING SYSTEM	XQPZ920033

facilities. Several companies that manufactured HTHW boilers have discontinued this product line or have gone out of business. the availability of replacement parts to properly maintain these boilers is questionable for the future. Only one known company continues to manufacture boilers larger than 10 million BTUH. Further, boiler control and safety systems are obsolete and require replacement. Existing pumps and valves require major overhaul or replacement. The underground distribution system has developed several major leaks in its outer casing and complete failure is imminent. The exterior metal skin of the heat plant building is perforated with rust and requires replacement. A detailed technical analysis of available options was conducted to determine the best course of action. The analysis reflects the most economical solution is to decentralize the heat plant. The existing heat plant is manned 24 hours a day at a cost of \$260,000 per year. The system proposed will require only periodic inspections and can be remotely controlled and monitored providing significant manpower savings. IMPACT IF NOT PROVIDED: A high probability of total heat plant failure, with subsequent loss of heat to mission essential facilities, will continue. Energy will be lost as a result of the inefficient system. underground distribution system will continue to lose 9,325 million BTUH or \$27,000 per year. The opportunity to save \$287,000 per year in energy and manpower costs will be lost. Failure to fund this project will force the Academy to spend a minimum of \$1.4 million in 1996 to keep the plant operational; an investment in outdated technology which will also prolong unnecessary manpower and energy costs.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of decentralization, revitalization and status quo operation. Based on the net present values and benefits of the respective alternatives, decentralization was found to be the most cost efficient over the life of the project.

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.2. SUPPL	EMEN	TAL DATA:	
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(1)	Sta	tus:	
, ,	(a)	Date Design Started	93 JUL 12
	(b)	Parametric Cost Estimates used to develop cost	s Y
	(c)	Percent Complete as of Jan 1995	100%
		Date 35% Designed.	93 OCT 28
	(e)	Date Design Complete	94 SEP 03
(2)	Bas	is:	
	(a)	Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)		271
	(b)	All Other Design Costs	162
	(c)	Total	433
	(d)	Contract	323
	(e)	In-house	110
(4)	Con	struction Start	96 JAN
. Equipme	ent	associated with this project will be provided for	rom
ther appro	opri	ations: N/A	

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FY 1996 MILITARY CONSTRUCTION PROGRAM  AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION AIR MOBILITY COST INDEX  DOVER AIR FORCE BASE, DELAWARE COMMAND 1.03												
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b. End FY 2000 372 3468 1132 3 29 592 5,596  7. INVENTORY DATA (\$000)  a. Total Acreage: ( 3,936) b. Inventory Total As Of: (30 SEP 94) 221,383 c. Authorization Not Yet In Inventory: 43,200 d. Authorization Requested In This Program: 5,500 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 31,050 g. Remaining Deficiency: 31,050 g. Remaining Deficiency: 31,000 b. Grand Total: 318,133  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 141-753 C-5 SQUADRON OPERATIONS/ 31,200 SF 5,500 AUG 94 SEP 95 AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 310-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 1,200 721-312 DORMITORY 350 PN 4,400  10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0		-	·				ENL	CIV				
7. INVENTORY DATA (\$000)  a. Total Acreage: ( 3,936) b. Inventory Total As Of: (30 SEP 94)	a. As of 30 S	EP 94										1
a. Total Acreage: ( 3,936) b. Inventory Total As Of: (30 SEP 94) 221,383 c. Authorization Not Yet In Inventory: 43,200 d. Authorization Requested In This Program: 5,500 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 31,050 g. Remaining Deficiency: 17,000 h. Grand Total: 318,133  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (S000) START CMPL  141-753 C-5 SQUADRON OPERATIONS/ 31,200 SF 5,500 AUG 94 SEP 95 AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0 0	b. End FY 200	0							3		9   592	3,33
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C. Authorization Not Yet In Inventory:  d. Authorization Requested In This Program:  e. Authorization Included In Following Program:  f. Planned In Next Four Program Years:  g. Remaining Deficiency:  h. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM:  COBE PROJECT TITLE  CODE PROJECT TITLE  141-753 C-5 SQUADRON OPERATIONS/  AIRCRAFT MAINTENANCE UNIT FAC  PROJECTS:  TOTAL:  31,200 SF 5,500  AUG 94 SEP 95  AIRCRAFT MAINTENANCE UNIT FAC  TOTAL:  5,500  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years:  121-122 REPAIR HYDRANT FUELING SYSTEM  130-142 FIRE/CRASH RESCUE STATION  141-454 SPECIAL OPERATIONS  20,000 SF 2,650  610-249 WING HEADQUARTERS FACILITY  7,000 SF 1,200  721-312 DORMITORY  350 PN 4,400  10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.  1. Outstanding pollution:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0  1,600  0	a. Total Acre	age: (									001 30	
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d. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 31,050 g. Remaining Deficiency: 17,000 h. Grand Total: 318,133  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) STATUS  AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400  10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	c. Authorizat	ion Not	Yet Ir	Inve	ntory:							
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g. Remaining Deficiency: h. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY CODE PROJECT TITLE SCOPE  AIRCRAFT MAINTENANCE UNIT FAC  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400  10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	e. Authorizat	ion Incl	uded 1	n Fol	lowing	Progr		(FY.	1997)		21 0	
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4.18.96		141-79	53	FJX'	T953	002			5,500	
····			9. COS	T ESTIM	ATES					
								UNIT	COST	
		ITEM				U/M	QUANTITY	COST	(\$000)	
C-5 SQUADRON	OPERAT	TIONS/ AIRC	CRAFT							
MAINTENANCE U	NIT FA	CILITY			ŀ	SF	31,200	125	3,900	
SUPPORTING FA	CILITI	ES			- 1				1,085	
UTILITIES						LS			( 195)	
SITE IMPROV	EMENTS	3				LS			( 75)	
PAVEMENTS						SY	4,000	35	, , ,	
ELEVATOR							: 1	100,000	, , ,	
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL						SF	41,000	14		
SUBTOTAL							•		4,985	
								1		

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, demolition and asbestos removal, and all necessary support.

Air Conditioning: 60 Tons.

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized, iterim, and dispersed facilities into a functional and adequately sized structure to support large framed aircraft. Space is required for Ops/AMU management support, flight planning, mobility office, briefing/debriefing, training and testing, tool rooms, technical order library, flying/ground safety, standardization/evaluation, locker rooms, bench stock, and In addition, an elevator is required to comply with the scheduling. Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command. CURRENT SITUATION: There are no adequate facilities to support wide framed aircraft consolidated Sq Ops/AMU operations at Dover AFB. The AMU's are housed in interim facilities which are approved for use only until this project is completed. The airlift operation's squadrons are housed in substandard and physically separated facilities. These

249

314

5,234

5,548

5,500

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

DOVER AIR FORCE BASE, DELAWARE

4. PROJECT TITLE

2. DATE

5. PROJECT NUMBER

facilities are crowded and inefficient. Additional space is required for

C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC

planning, briefing, administration, storage and issue of parts, flying clothing and equipment. Upon completion of this project two substandard facilities totalling 41,000 SF will be demolished. IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

FJXT953002

C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house		TN	2. DATE
COVER AIR FORCE BASE, DELAWARE  4. PROJECT TITLE  5. PROJECT NUM  5. PROJECT NUM  5. PROJECT NUM  5. PROJECT NUM  5. PROJECT NUM  6. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  96  6. Equipment associated with this project will be provided from		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ΓA
DOVER AIR FORCE BASE, DELAWARE  4. PROJECT TITLE  5. PROJECT NUM  C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  96  Equipment associated with this project will be provided from	IR FORCE	(computer generated)	
4. PROJECT TITLE  5. PROJECT NUM  C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  94 OCT (e) Date Design Complete  95 SEP  (2) Basis:  (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  NO (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  96  Equipment associated with this project will be provided from	. INSTALI	ATION AND LOCATION	
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2-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 SEP  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  96			5. PROJECT NUMBE
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(2) Basis:    (a) Standard or Definitive Design - NO    (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$    (a) Production of Plans and Specifications    (b) All Other Design Costs    (c) Total    (d) Contract    (e) In-house  (4) Construction Start 96		(d) Date 35% Designed.	94 OCT 1
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(c) Total (d) Contract (e) In-house  (4) Construction Start  96  Equipment associated with this project will be provided from		(a) Production of Plans and Specifications	33
(d) Contract (e) In-house  (4) Construction Start  96  Equipment associated with this project will be provided from		(b) All Other Design Costs	33
(4) Construction Start 96  Equipment associated with this project will be provided from		(c) Total	66
<ul><li>(4) Construction Start</li><li>. Equipment associated with this project will be provided from</li></ul>		(d) Contract	46
. Equipment associated with this project will be provided from		(e) In-house	20
	(4)	Construction Start	96 AP
	. Equipm	ent associated with this project will be provide	ed from .

Page No 124

1. COMPONENT									2. DAT	ľE
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COLUMBIA					SHING		CITE	TO DO		.03
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STRENGTH	+	ENL			ENL	CIV			39 217	
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721-312 ALTE	ER DORMITORY				378	PN	6,50	1 0	1AY 94	SEP 95
	OR GUARD DORMIT	ORY			74	PN	5,60	0 7	AUG 94	SEP 95
					TOTAL	: -	12,10	0		
9a. Future F	Projects: Incl	uded i	n the	Follo	wing I	rogr	am (F	Y 19	97) NC	NE
9b. Future F	rojects: Typi	cal Pl	anned	Next	Four Y	ears	<b>:</b>			
214-425 ADDI	TION VEHICLE M	AINTEN.	ANCE		6,000	SF	1,50	0		
FAC	CILITY									
	LITY SUPPORT C				1,300					
730-441 CONS	SOLIDATED SUPPO	RT CEN	TER				5,39	7		
	TION TO CHAPEL				2,500		43			
	ICAL FITNESS C				0,000		6,00		<del>.,</del>	
	or Major Funct									
_	tol Region. H		-							
	rgeon General,									
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	ervices Agency	; Air	Force	Wedlo	al Sur	port	: Agen	cy;	USAF E	sana;
and USAF Hono			£ - 4	(0011)	A-61-1					
11. Outstand	ling pollution	and sa	rety (	(USH)	ueric:	renci	.es:			
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d. Othe	er Environmenta	T:							(	,

1. COMPONENT				2	. DATE
	FY 1996 MILITA	RY CONSTRUCT	ION PROJECT I	DATA	
AIR FORCE	(cc	mputer genera	ated)		
3. INSTALLATI	ON AND LOCATION		4. PROJECT T	ITLE	
BOLLING AIR F	ORCE BASE,				
DISTRICT OF C	OLUMBIA	i i	ALTER DORMITO	DRY	
5. PROGRAM EL	EMENT 6. CATEGORY	CODE 7. PROJ	ECT NUMBER 8	B. PROJECT	COST(\$000)

BXUR870201

721-312

ITEM	9. COST ESTIMAT	res	*		
ALTER DORMITORY (378 PN)  ALTERATION  AUTOMATIC SPRINKLER PROTECTION  SF 192,000 26 (4,992)  192,000 2 (384)	ITEM	U/M	QUANTITY		
	ALTER DORMITORY (378 PN) ALTERATION AUTOMATIC SPRINKLER PROTECTION SUPPORTING FACILITIES ASBESTOS REMOVAL SUBTOTAL CONTINGENCY (10%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST	SF SF	192,000	26	5,376 (4,992) ( 384) 200 ( 200) 5,576 558 6,134 368 6,502

- 10. Description of Proposed Construction: Alters existing nine-story facility to provide room-bath-room configuration. Convert existing centrally located latrines to storage areas. Replace existing windows, upgrade utility systems, upgrade interior walls, and upgrade lobby and vending areas. Project includes fire protection and necessary support. Air Conditioning: 300 Tons. Grade Mix: 378 E1-E4.
- 11. REQUIREMENT: As required.

.12.12A

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, safety, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 378 personnel: 378 E1-E4, with a maximum utilization of 378 personnel.

CURRENT SITUATION: The existing nine-story dormitory facility was constructed in 1968 to design standards and criteria in effect at that time. This dormitory has received no major upgrades or renovations since originally constructed. Dormitory residents must share central latrine facilities offering little, if any, personal privacy. Existing room walls are painted concrete masonry unit (CMU) block providing an extremely austere living environment for dormitory occupants and lack adequate sound attenuation preventing shift workers from getting necessary rest. Further, the antiquated lighting fixtures do not provide adequate illumination and contribute to the poor living environment. Existing

6,500

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
BOLLING AIR F	ORCE BASE, DISTRICT OF COLUMBIA	
4. PROJECT TI	TLE	5. PROJECT NUMBER
ALTER DORMITO	RY	BXUR870201

single pane windows allow air infiltration and are energy inefficient. There is no centralized storage area causing wasted living space and cluttered rooms.

IMPACT IF NOT PROVIDED: The base will not have a viable option for correcting this troop housing deficiency. Substandard living conditions will continue to persist and degrade the morale, productivity and career satisfaction of the enlisted force.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, alteration and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost efficient over the life of the project.

PROJECT TITER DORMITOR  SUPPLEMENT  (1) Sta (a) (b) (c) (d)	TAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop costs	PROJECT NUMBER
PROJECT TITER DORMITOR  SUPPLEMENT  (1) Sta (a) (b) (c) (d)	PRCE BASE, DISTRICT OF COLUMBIA  THE STALL DATA:  Ind Design Data:  Itus:  Date Design Started  Parametric Cost Estimates used to develop costs	3XUR870201
PROJECT TIT TER DORMITOF  SUPPLEMENT  a. Estimate  (1) Sta  (a)  (b)  (c)  (d)	TAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop costs	3XUR870201
TER DORMITOR  SUPPLEMENT  a. Estimate  (1) Sta  (a)  (b)  (c) (d)	TAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop costs	3XUR870201
. SUPPLEMEN  a. Estimate  (1) Sta  (a)  (b)  (c) (d)	TAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop costs	
a. Estimate  (1) Sta  (a)  (b)  (c)  (d)	TAL DATA:  d Design Data:  tus:  Date Design Started  Parametric Cost Estimates used to develop costs	
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(1) Sta (a) (b) (c) (d)	tus: Date Design Started Parametric Cost Estimates used to develop costs	
(a) (b) (c) (d)	Date Design Started Parametric Cost Estimates used to develop costs	
(a) (b) (c) (d)	Date Design Started Parametric Cost Estimates used to develop costs	
(c) (d)		94 MAY 01
(d)		
	Percent Complete as of Jan 1995	50%
	Date 35% Designed.	94 <b>OCT</b> 01
(e)	Date Design Complete	95 SEP 01
(2) Bas	is:	
	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a)	Production of Plans and Specifications	325
(p)	All Other Design Costs	225
	Total	550
	Contract	475
(e)	In-house	75
(4) Con	struction Start	96 JAN
Equipment a	associated with this project will be provided frations: N/A	om

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9.12.12A			721-312			BXUR	9510	37				5,600
5. PROGRAM EL	EMENT	6.	CATEGORY	CODE	7.	PROJ	ECT	NUN	MBER	8.	PROJECT	COST(\$000
BOLLING AIR F	ORCE B	BASE					HONG	OR (	GUARD	DOR	MITORY	
3. INSTALLATI	ON AND	LO	CATION				4. 1	PRO	JECT '	TITL	Æ.	
AIR FORCE			(00	mput	er g	jener	ate	d)				
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1. COMPONENT											2	. DATE

			UNIT	COST
ITEM ·	U/M	QUANTITY	COST	(\$000)
HONOR GUARD DORMITORY	LS			3,235
DORMITORY (72 PN)	SF	25,600	105	(2,688)
TRAINING FACILITY	SF	5,500	90	( 495)
AUTOMATIC SPRINKLER PROTECTION	SF	26,000	2	( 52)
SUPPORTING FACILITIES				1,755
UTILITIES	LS			( 250)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			( 200)
SPECIAL FOUNDATIONS	LS			( 900)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	23,500	15	( <u>355</u> )
SUBTOTAL	1			4,990
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,240
SUPERVISION, INSPECTION AND OVERHEAD (6%)	1			314
TOTAL REQUEST				5,554
TOTAL REQUEST (ROUNDED)				5,600
	1			

- 10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, site improvement and demolition of an existing facility. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Provide a one-story, vaulted ceiling structure, masonry construction, fire protection and site improvements. Air Conditioning: 70 Tons. Grade Mix: 72 E1-E4.
- 11. REQUIREMENT: As required.

PROJECT: Construct dormitory and training facility. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 72 personnel: 72 E1-E4, with a maximum utilization 72 personnel. CURRENT SITUATION: The existing three-story dormitory facility was constructed in 1955 to design standards and criteria in effect at that time. This dormitory has received no major upgrades or renovations since originally constructed. Each room is less than 150 square feet and personnel share a 25 square foot shower/latrine area between each set of rooms. Existing room walls are painted concrete masonry unit (CMU) block providing an extremely austere living environment for dormitory occupants and lack adequate sound attenuation preventing the Honor Guard members from getting necessary rest. There is no centralized storage area causing wasted living space and cluttered rooms. This facility provides

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION

## BOLLING AIR FORCE BASE

4. PROJECT TITLE

5. PROJECT NUMBER

HONOR GUARD DORMITORY

BXUR951037

centralized supply, administrative, armory and briefing areas for the Air Force Honor Guard. The existing training facility is a temporary facility that does not provide an adequately configured, permanent structure for the Honor Guard training operations with other services.

IMPACT IF NOT PROVIDED: Adequate living quarters and training areas will

IMPACT IF NOT PROVIDED: Adequate living quarters and training areas will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, alteration and status quo operations. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

HONOR GUARD DORMITORY  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start.  96 Jan	1. COMPON	ENT	2. DATE
3. INSTALLATION AND LOCATION  BOLLING AIR FORCE BASE  4. PROJECT TITLE  4. PROJECT TITLE  5. PROJECT NUMBER  BXUR951037  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  95 JAN 00 (e) Date Design Complete  95 SEP 00  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (b) Where Design Was Most Recently Used - (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start.  96 JAN  D. Equipment associated with this project will be provided from		FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA
BOLLING AIR FORCE BASE  4. PROJECT TITLE  BXUR951037  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  96 JAN  5. PROJECT NUMBE: 5. PROJECT NUMBE:  5. PROJECT NUMBE: 5. PROJECT NU			
4. PROJECT TITLE  HONOR GUARD DORMITORY  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  5. PROJECT NUMBE:  8XUR951037  94 AUG 00  95 JAN 01  96 JAN  5. PROJECT NUMBE:  8XUR951037  96 JAN  96 JAN  96 JAN  96 JAN	3. INSTAL	LATION AND LOCATION	
4. PROJECT TITLE  HONOR GUARD DORMITORY  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  5. PROJECT NUMBE:  8XUR951037  94 AUG 00  95 JAN 01  96 JAN  5. PROJECT NUMBE:  8XUR951037  96 JAN  96 JAN  96 JAN  96 JAN	BOLLING A	R FORCE BASE	
12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995  (d) Date 35% Designed. (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start.  96 JAN  55 Equipment associated with this project will be provided from			5. PROJECT NUMBER
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(d) Date 35% Designed.  (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - NO  (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 330 (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start.  (4) Construction Start.  (5) JAN 01  (6) SEP 01  (7) SEP 01  (8) OCC  (9) In-house (9) JAN 02  (9) JAN 02  (9) SEP 01  (1) SEP 01  (1) SEP 02  (1) SEP 02  (2) SEP 03  (3) Total (c) = (a) + (b) or (d) + (e): (south start)  (4) Construction of Plans and Specifications 330  (b) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (6) Total (c) = (a) + (b) or (d) + (e): (south start)  (6) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (b) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (b) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (6) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (6) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (6) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (b) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (b) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (b) All Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (c) Total (c) = (a) + (b) or (d) + (e): (south start)  (d) Construction Start (c) = (a) + (b) or (d) + (e): (south start)  (d) Construction Start (c) = (a) + (b) or (d) + (e): (south start)  (e) Jan Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (d) Construction Start (c) = (a) + (b) or (d) + (e): (south start)  (e) Jan Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (e) Jan Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (e) Jan Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (e) Jan Other Design Costs (c) = (a) + (b) or (d) + (e): (south start)  (e) Jan Other Design Costs (c) = (a) + (b) o		(b) Parametric Cost Estimates used to develop of	costs
(e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - NO  (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 330 (b) All Other Design Costs (c) Total 555 (d) Contract (e) In-house  (4) Construction Start 96 JAN  55 Equipment associated with this project will be provided from			35%
(2) Basis:  (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start 96 JAN  b. Equipment associated with this project will be provided from		(d) Date 35% Designed.	95 JAN 01
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 330 (b) All Other Design Costs 225 (c) Total 555 (d) Contract (e) In-house  (4) Construction Start. 96 JAN  b. Equipment associated with this project will be provided from	l	(e) Date Design Complete	95 SEP 01
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 330 (b) All Other Design Costs 225 (c) Total 555 (d) Contract (e) In-house  (4) Construction Start. 96 JAN  b. Equipment associated with this project will be provided from	(2)	Basis:	
(b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 c)  (a) Production of Plans and Specifications 330 (b) All Other Design Costs 225 (c) Total 555 (d) Contract 555 (e) In-house  (4) Construction Start 96 JAN  b. Equipment associated with this project will be provided from	` .		NO
(a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  555  565  575  586  587  588  588  588			*·-
(a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  555  566  577  588  589  590  590  590  590  590  590	(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  555  65. Equipment associated with this project will be provided from			330
(d) Contract (e) In-house  (4) Construction Start.  96 JAN  555  56. Equipment associated with this project will be provided from		(b) All Other Design Costs	225
(e) In-house  (4) Construction Start.  96 JAN  5. Equipment associated with this project will be provided from		(c) Total	555
(4) Construction Start 96 JAN b. Equipment associated with this project will be provided from		(d) Contract	555
b. Equipment associated with this project will be provided from		(e) In-house	
	(4)	Construction Start	96 JAN
other appropriations: N/A			d from

1. COMPONENT								2	. DAI	re
F	Y 1996	MILIT	ARY CO	NSTRUC	CTION	PROGE	RAM			
AIR FORCE			puter o							
3. INSTALLATION AND	LOCATIO				DMMAND	1		5	. ARE	A CONST
CAPE CANAVERAL AIR F	ORCE ST	MION	,	AIR I	FORCE				COS	T INDEX
FLORIDA				SPACE	COMM	AND			0.	98
6. PERSONNEL	P	ERMANI	ENT	S	UDENT	S	SUI	PORTE	D	
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	145	193	233							57:
b. End FY 2000	147	189	225							563
	7	. INV	ENTORY	DATA	(\$000	)				
a. Total Acreage: (		•								
b. Inventory Total A									90,32	
<ul><li>c. Authorization Not</li></ul>									65,80	
d. Authorization Req									1,60	
e. Authorization Inc				Progr	cam:	(FY	1997)			0 ,
f. Planned In Next F		gram :	Years:		ſ				4,00	
g. Remaining Deficie	ency:								41,51	
h. Grand Total:	D TN MU	TC DD/	OCDAM.	EV 1	1006				03,24	13
8. PROJECTS REQUESTE	D IN TH	15 PK	JGKAM:	FI .	1996		cos	ים י	STON	STATUS
CATEGORY CODE PRO	JECT TI	ידידי			SCOPE		(\$000		TART	CMPL
CODE	OECI II	1111		-	<u> </u>		(3000	<u>,, , , , , , , , , , , , , , , , , , ,</u>		<u> </u>
179-511 FIRE TRAINI	NG FACI	LITY			TOTAL	_	1,60		Y 94	FEB 95
9a. Future Projects	: Incl	uded :	in the	Follo	owing	Progr	am (1	Y 199	7) NC	NE
9b. Future Projects	: Typi	cal P	lanned	Next	Four	Years	3:			
831-165 SEWAGE TREA	TMENT &	DISP	OSAL			LS	4,00	00		
10. Mission or Majo										
systems squadron whi										les,
satellites, and space										
Also, supports inter					les, a	nd ma	ajor 1	tenant	s suc	en as
NASA, and Army, Navy					defic	iona				
<ol><li>Outstanding pol</li></ol>	Lucton	anu s	arecy	(USA)	delic	Telle.	Les.			
a. Air polluti	on.								c	)
a. Air polluti b. Water pollu									7,000	
c. Occupationa		v and	healti	h•						)
d. Other Envir		_	caro.	•••						)
u. 0001 212										
4										

1. COMPONENT		2. DATE	3
	FY 1996 MILITARY CONST	TRUCTION PROJECT DATA	
AIR FORCE	(computer g	generated)	
	ION AND LOCATION	4. PROJECT TITLE	
CAPE CANAVER	AL AIR FORCE STATION,		
FLORIDA		FIRE TRAINING FACILITY	
5. PROGRAM EI	LEMENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJECT COST(	\$000)

179-511

3.58.56

DBEH963014

9. COST ESTIMAT	res			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FIRE TRAINING FACILITY	LS			1,050
SUPPORTING FACILITIES				365
SITE IMPROVEMENTS	LS			( 75)
UTILITIES	LS			( 50)
ARTERIAL ACCESS ROAD	LF	2,500	96	(240)
SUBTOTAL				1,415
CONTINGENCY (5%)		'		71
TOTAL CONTRACT COST		•		1,486
SUPERVISION, INSPECTION AND OVERHEAD (6%)				89
TOTAL REQUEST				1,575
TOTAL REQUEST (ROUNDED)				1,600

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; large-frame aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; access road; and necessary support.

1 EA ADEQUATE: O SUBSTANDARD: 1 EA REQUIREMENT: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). Construct a fire training facility (FTF) which meets CWA, Clean Air Act, and Resource Conservation and Recovery Act (RCRA) requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and ground water. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility, which complies with all applicable criteria and environmental requirements, on every major Air Force installation to meet fire training requirements. In this case, this proposed new facility will consolidate the fire training functions for Cape Canaveral Air Force Station (CCAFS) and Patrick AFB.

CURRENT SITUATION: The old fire training areas at Cape Canaveral and Patrick AFB violated Environmental Protection Agency (EPA) and Florida state pollution standards, and were closed in 1984 and 1991, respectively. Since these closings, firefighters at these bases have not had a crash rescue fire training facility on base at which to train and maintain the required level of proficiency in both fire fighting and the protection of

1,600

	1. COMPONENT		2. DF	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA		
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION  CAPE CANAVERAL AIR FORCE STATION, FLORIDA			
	4. PROJECT TITLE	5.	PROJECT	NUMBER
_	FIRE TRAINING FACILITY		DBEH9630	14

Air Force personnel and resources. Their training has been accomplished at other locations and has consisted only of structural fire fighting once each year; they have had no opportunity for crash rescue fire training.

IMPACT IF NOT PROVIDED: Fire fighters at Cape Canaveral and Patrick AFB will continue to have no facility for crash response fire training.

Without the stress and realism possible only with live fires, these fire fighters will continue to lose proficiency in combating fires. Potential for loss of life and aircraft is significantly increased. Federal Aviation Administration and Air Force requirements and standards will not be met.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project, and new construction was determined to be the optimum solution.

1. COMPONE	NT	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	רב	2. DATE
AIR FORCE		(computer generated)		
	ATIO	N AND LOCATION		
		AIR FORCE STATION, FLORIDA	1	
4. PROJECT	TIT	LE	5. PRO	DJECT NUMBER
FIRE TRAIN	ING 1	FACILITY	DBI	EH963014
12. SUPPL	EMEN	TAL DATA:		
a. Esti	mate	d Design Data:		
, , ,	Stat			
1		Date Design Started		94 MAY 17
		Parametric Cost Estimates used to develop of	costs	Y
	• •	Percent Complete as of Jan 1995		95%
		Date 35% Designed  Date Design Complete		94 OCT 01 95 FEB 01
	(6)	bate besign complete		95 FEB 01
(2)	Basi	is:		
	(a)	Standard or Definitive Design -		YES
	(b)	Where Design Was Most Recently Used -		EGLIN
		al Cost (c) = (a) + (b) or (d) + (e):		(\$000)
		Production of Plans and Specifications		96
		All Other Design Costs		60
		Total		156
	• •	Contract		154
•	(e)	In-house		156
(4)	Cons	struction Start		96 MAR
_		ssociated with this project will be provide	d from	ı
other appro	pria	tions: N/A		

other appropriations: N/A

1. COMPONENT						2000	22.14	2	. DAT	E
	FY	1996 MILI				ROGE	KAM			
AIR FORCE			mputer	genera	ited)					A CONCE
3. INSTALLATI	ON AND LO	CATION		Į.	DNAMMO			٦		A CONST
					FORCE			i		T INDEX
EGLIN AIR FOR	CE BASE,	FLORIDA		-	RIEL CO					.73
6. PERSONNEL		PERMA	NENT	S:	TUDENTS	3	SUF	PORTE		-
STRENGTH		OFF ENL	, CIV	OFF	ENL	CIV	OFF			TOTAL
a. As of 30 S	EP 94	1408 611	2 3716				32	274	500	
b. End FY 200		1354 604	7 3500				32	274	500	11,707
2. 2		7. IN	VENTORY	DATA	(\$000)	)				
a. Total Acre	age: (									
<ul><li>b. Inventory</li></ul>	Total Ac	of: (30	SEP 94)					$\epsilon$	37,83	33
c. Authorizat	ion Not 1	Vet In Inv	entory:						11,85	50
d. Authorizat	ion Not .	octod In T	hic Pro	oram:					6,20	
e. Authorizat	ion Reque	esceu in r	ollowing	Prog	ram•	FY '	19971		8,50	
e. Authorizat	ion incl	uded in FC	TIOMING	rrog.	t can .	(			19,30	•
f. Planned In			i rears:		•				71,80	
g. Remaining		cy:							755,48	
h. Grand Tota	1:								755,40	55
8. PROJECTS R	EQUESTED	IN THIS F	PROGRAM:	FY	1996					0m2 m:: c
CATEGORY							cos			STATUS
CODE	PROJ:	ECT TITLE			SCOPE		(\$000	<u>)</u>	START	CMPL
111-111 REPA	IR RUNWA	Y		3	43,300	SY			ov 93	JAN 9
					TOTAL		6,20			
9a. Future F	rojects:	Included	in the	Foll	owing :	Prog:	ram (1	FY 199	97)	
721-312 UPGR					550	PN	7,30	00		
871-183 UPGF			SYSTEM	i		Ls	1,20	<u>00</u> TI	JRN KI	EY
					TOTAL	:	8,50	00		
9b. Future F	rojects:	Typical	Planned	Next	Four	Year	s:			
113-321 REPI	ACE AIRC	RAFT PARK	ING APRO	N	90,000	SF	8,0	00		
211-152 ALTE					88,000					
	NTENANCE			_	•		-			
211-159 ALTE			า <b>เ</b> .		1	EA	1,9	00		
		TON CONTR	J.D		_		_,-			
	CILITY	NO ENGILL	πV		3,000	ឧធ	5	00		
219-944 TEST			11		20,000		5,4			
315-237 CLAS					20,000	Sr	3,4	00		
SUI	PPORT FAC	ILITY					-+ M-	-+ Co	nt or :	
10. Mission	or Major	Function	s: Air	Force	Devel	opme	nt le	st ce	HLEL;	u ****
test wing; ar	n air bas	e wing; A.	ir Comba	it Com	mand I	ignt	er wi	ng wi	cn cn	ree
F-15 squadron	ns; the U	SAF Air W	arfare (	center	with	F-15	and	F-16	aırcr	art;
and an Air Fo	orce Spec	ial Opera	tions Co	ommand	HC-13	0 sp	ecial	oper	ation	s
squadron.										
11. Outstand	ding poll	ution and	safety	(OSH)	defic	ienc	ies:			
			-							
a. Air	pollutio	n:							5,40	0
	er pollut								1,20	00
		safety a	nd healt	h:					1,90	
			"id Hear	- 44 •					- •	0
d. Othe	er Enviro	nmental:								
1										

1. COMPONENT	FY 1996 MILITARY C	ONSTRUCTION PROJECT	2. DATE
AIR FORCE	•	er generated)	
3. INSTALLATION A	AND LOCATION	4. PROJECT	TITLE
EGLIN AIR FORCE I	BASE, FLORIDA	REPAIR RUNW	AY
5. PROGRAM ELEMEN	T 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
7.28.06	111-111	FTFA963033	6,200

9. COST ESTIMATES

9. COST ESTIMA	153			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPAIR RUNWAY	SY	343,300		4,915
ASPHALT OVERLAY	SY	340,000	13	(4,420)
REPLACE CONCRETE SLABS	SY	3,300	150	1 ' ' 1
SUPPORTING FACILITIES				430
AIRFIELD PAVEMENT MARKINGS	LS			( 150)
UTILITIES/LIGHTING	LS			( 280)
SUBTOTAL	•	٠		5,345
CONTINGENCY (10%)				535
TOTAL CONTRACT COST				5,880
SUPERVISION, INSPECTION AND OVERHEAD (6%)		1		353
TOTAL REQUEST				6,233
TOTAL REQUEST (ROUNDED)		Ī		6,200
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10. Description of Proposed Construction: Remove 3 to 4 inches of runway surface and overlay with new asphalt; replace damaged concrete slabs on both ends of the runway; re-paint pavement markings, install airfield lighting, utilities, and necessary support.

REQUIREMENT: 343,300 SY ADEQUATE: O SUBSTANDARD: PROJECT: Repair a runway. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Provide adequate airfield surfaces to continue existing flying missions at Eglin Air Force Base. This particular runway serves the 46th Test Wing, the 33rd Fighter Wing and the Okaloosa County Air Terminal. The primary aircraft operating out of Eglin AFB include the F-15, F-16, F-111, DC-9, KC-135 and the C-130. As of April 1992, transient and permanently assigned fighter/test aircraft logged over 39,000 take-offs and landings per year from the base's two runways. CURRENT SITUATION: There are cracked and spalled concrete slabs and weathering on this runway, and the asphalt is rapidly deteriorating. Various concrete slabs in the touchdown areas at both ends of the runway are shattered and need to be replaced. Pieces of aggregate have come loose, creating foreign object damage (FOD) hazards which could be ingested into jet engine intakes. FOD causes thousands of dollars worth of engine damage and aircraft crashes from resulting engine failure. Excessive maintenance is required to maintain safety from FOD. The Air Force Civil Engineering Support Agency at Tyndall AFB, Florida, is responsible for evaluating the performance and conditions of airfield pavements throughout the Air Force. In April 1992 they evaluated this pavement and recommended that the entire runway be repaired as soon as possible.

	1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (COmputer generated)	2. DATE
•	3. INSTALLATIO		
i	4. PROJECT TIT	LE 5	. PROJECT NUMBER

IMPACT IF NOT PROVIDED: Runway will continue to present an unacceptable FOD hazard to aircraft and there will be an increased potential for accidents or damage caused by failing runway surfaces. The runway will have to be closed to aircraft creating an adverse impact on Eglin missions.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present value and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project.

REPAIR RUNWAY

FTFA963033

AIR FORCE  3. INSTALLATION AND LOCAT  EGLIN AIR FORCE BASE, FLO  4. PROJECT TITLE  REPAIR RUNWAY  12. SUPPLEMENTAL DATA:  a. Estimated Design Date  (1) Status:  (a) Date Design (b) Parametric (c) Percent Co (d) Date 35% D	DRIDA	5. PROJECT NUMB FTFA963033
3. INSTALLATION AND LOCATEGLIN AIR FORCE BASE, FLOTA PROJECT TITLE  REPAIR RUNWAY  12. SUPPLEMENTAL DATA:  a. Estimated Design Date  (1) Status:  (a) Date Design Date Design Date Design Date Design Date Design Date Date Design Date Date Date Date Date Date Date Date	PRIDA	
EGLIN AIR FORCE BASE, FLO  4. PROJECT TITLE  REPAIR RUNWAY  12. SUPPLEMENTAL DATA:  a. Estimated Design Da  (1) Status:  (a) Date Desig  (b) Parametric  (c) Percent Co  (d) Date 35% D	DRIDA	
4. PROJECT TITLE  REPAIR RUNWAY  12. SUPPLEMENTAL DATA:  a. Estimated Design Da  (1) Status:  (a) Date Desig (b) Parametric (c) Percent Co (d) Date 35% D		
4. PROJECT TITLE  REPAIR RUNWAY  12. SUPPLEMENTAL DATA:  a. Estimated Design Da  (1) Status:  (a) Date Desig (b) Parametric (c) Percent Co (d) Date 35% D		
12. SUPPLEMENTAL DATA:  a. Estimated Design Da  (1) Status:  (a) Date Desig  (b) Parametric  (c) Percent Co  (d) Date 35% D	ata:	FTFA963033
12. SUPPLEMENTAL DATA:  a. Estimated Design Da  (1) Status:  (a) Date Desig  (b) Parametric  (c) Percent Co  (d) Date 35% D	ata:	FTFA963033
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a. Estimated Design Da  (1) Status:  (a) Date Desig  (b) Parametric  (c) Percent Co  (d) Date 35% D	ata:	
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<ul><li>(a) Date Design</li><li>(b) Parametric</li><li>(c) Percent Co</li><li>(d) Date 35% D</li></ul>		
<ul><li>(a) Date Design</li><li>(b) Parametric</li><li>(c) Percent Co</li><li>(d) Date 35% D</li></ul>		
<ul><li>(b) Parametric</li><li>(c) Percent Co</li><li>(d) Date 35% D</li></ul>	n Started	93 NOV :
(c) Percent Co (d) Date 35% D	Cost Estimates used to develop of	
(d) Date 35% D	omplete as of Jan 1995	10
, ·	<del>-</del>	94 APR
(e) Date Desig	n Complete	95 JAN
(2) Basis:		
• •	or Definitive Design -	NO ·
·	gn Was Most Recently Used -	N/A
(3) Total Cost (c)	= (a) + (b) or (d) + (e):	(\$00
	of Plans and Specifications	32
(b) All Other		10
(c) Total		48
(d) Contract		
(e) In-house		48
(4) Construction S	tart	96 FI
. ,		<b>70 1.</b>
. Equipment associated	with this project will be provide	ed from
ther appropriations: N/		

FY 1996 MILITARY CONSTRUCTION PROGRAM   AIR FORCE   (computer generated)   3. INSTALLATION AND LOCATION   AIR EDUCATION   COST INDEX	Oo On D				<del>-</del>				12	. DAT	E
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3. INSTALLATION AND LOCATION	ATD FODGE				_						
AIR EDUCATION		TON AND TO		Ju cer					-	ADE	A CONST
TYNDALL AIR FORCE BASE, FLORIDA   AND TRAINING COMMAND   0.75	3. INSTALLATI	ION AND LOC	ATION				TON		13		
STRENGTH	muunnarr a.rn 1	DODGE BAGE	EL ODIDA					MMA NID			
STRENGTH  OFF ENL CIV OFF ENL CIV OFF ENL CIV TOTAL  a. As of 30 SEP 94 793 3798 1010 69 31 29 103 5,833 b. End FY 2000 726 3643 930 69 31 29 103 5,833 b. End FY 2000 7. INVENTORY DATA (\$000)  a. Total Acreage: ( 28,906) b. Inventory Total As Of: (30 SEP 94) 241,692 c. Authorization Not Yet In Inventory: 2,600 d. Authorization Requested In This Program: 1,200 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 5,300 g. Remaining Deficiency: 17,000 h. Grand Total: 267,792 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) \$\frac{1}{2}\$ \$	· · · · · · · · · · · · · · · · · · ·	FORCE BASE,		DNW.							/5
a. As of 30 SEP 94		+			<del></del>						moma r
Description   Total   Score		<del> </del>				ENL	CIV				
7. INVENTORY DATA (\$000)  a. Total Acreage: ( 28,906) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory:	<del>-</del>		E .								*
a. Total Acreage: ( 28,906) b. Inventory Total As Of: (30 SEP 94) 241,692 c. Authorization Not Yet In Inventory: 2,600 d. Authorization Requested In This Program: 1,200 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 5,300 g. Remaining Deficiency: 17,000 h. Grand Total: 267,792 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  179-511 FIRE TRAINING FACILITY LS 1,200 MAR 94 DEC 94 TOTAL: 1,200 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 149-962 CONTROL TOWER 1 EA 2,700 218-712 AIRCRAFT EQUIPMENT 17,000 SF 2,600 MAINTENANCE SHOP  10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	b. End FY 200	00					<u> </u>	31	29	103	5,531
b. Inventory Total As Of: (30 SEP 94)  c. Authorization Not Yet In Inventory:  d. Authorization Requested In This Program:  e. Authorization Included In Following Program:  e. Authorization Included In Following Program:  f. Planned In Next Four Program Years:  f. Fy 1997)  g. Remaining Deficiency:  h. Grand Total:  f. PROJECTS REQUESTED IN THIS PROGRAM:  f. PROJECT TITLE  f. SCOPE  f. SCOPE  f. SOOD  g. PROJECT TITLE  f. SCOPE  f. SOOD  f. PROJECT TITLE  f. SCOPE  f. SOOD  g. START  f. CMPL  TOTAL:  f. 1,200  MAR 94 DEC 94  TOTAL:  f. 1,200  MAR 94 DEC 94  TOTAL:  f. 1,200  MAR 94 DEC 94  TOTAL:  f. S. OCOUNTED TOTAL:  f. S. OCOUNTED		····		ENTORY	DATA	(\$000	)				
c. Authorization Not Yet In Inventory:  d. Authorization Requested In This Program:  e. Authorization Included In Following Program: (FY 1997)  of Planned In Next Four Program Years:  f. Planned In Next Four Program Years:  g. Remaining Deficiency:  h. Grand Total:  Requested In This Program:  f. Planned In Next Four Program Years:  f. 300  g. Remaining Deficiency:  f. 17,000  h. Grand Total:  Requested In This Program:  f. 1996  COST DESIGN STATUS  CODE PROJECT TITLE SCOPE (\$000) START CMPL  TOTAL:  179-511 FIRE TRAINING FACILITY  FOTAL:  179-511 FIRE TRAINING FACILITY  SCOPE (\$000) MAR 94 DEC 94  TOTAL:  1,200  PROJECT:  1,200  MAR 94 DEC 94  TOTAL:  1,200  PROJECT:  1,200  MAR 94 DEC 94  TOTAL:  1,200  PROJECT:  1,200  MAR 94 DEC 94  TOTAL:  1,200  PROJECT:  1,200  MAR 94 DEC 94  TOTAL:  1,200  PROJECT:  1,200  MAR 94 DEC 94  TOTAL:  1,200  PROJECT:  1,200  MAR 94 DEC 94  TOTAL:  1,200  PROJECT:  1,200  MAR 94 DEC 94  TOTAL:  1,200  MAR 94 DEC 94  T											
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e. Authorization Included In Following Program: (FY 1997) 0  f. Planned In Next Four Program Years: 5,300 g. Remaining Deficiency: 17,000 h. Grand Total: 267,792  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) STATUS  TOTAL: 1,200  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years: 149-962 CONTROL TOWER 1 EA 2,700 218-712 AIRCRAFT EQUIPMENT 17,000 SF 2,600  MAINTENANCE SHOP  10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	c. Authorizat	tion Not Ye	et In Inve	ntory:						2,60	0
f. Planned In Next Four Program Years:  g. Remaining Deficiency: h. Grand Total: 267,792  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY CODE PROJECT TITLE SCOPE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  TOTAL: 1,200  MAR 94 DEC 94  TOTAL: 1,200  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years: 149-962 CONTROL TOWER 1 EA 2,700  218-712 AIRCRAFT EQUIPMENT NAINTENANCE SHOP  10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:  0	d. Authorizat	tion Reques	sted In Th	is Proc	gram:					1,20	0
g. Remaining Deficiency:  h. Grand Total:  267,792  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  (\$000)  START CMPL  179-511 FIRE TRAINING FACILITY  LS 1,200  MAR 94 DEC 94  TOTAL: 1,200  9a. Future Projects: Included in the Following Program (FY 1997) NONE  9b. Future Projects: Typical Planned Next Four Years: 149-962 CONTROL TOWER  1 EA 2,700  218-712 AIRCRAFT EQUIPMENT 17,000 SF 2,600  MAINTENANCE SHOP  10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:				_	Progr	am:	(FY	1997)			_ ,
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9b. Future Projects: Typical Planned Next Four Years:  149-962 CONTROL TOWER  218-712 AIRCRAFT EQUIPMENT  17,000 SF  2,600  MAINTENANCE SHOP  10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:	9a. Future I	Projects:	Included	in the	Follo	wing 1	Progr	am (F	Y 199	7) NO	NE
218-712 AIRCRAFT EQUIPMENT  MAINTENANCE SHOP  10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0	9b. Future I	Projects:	Typical P	lanned	Next	Four :	Years	5:	•		
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a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0	Headquarters Air Defense S	Sector; the	Air Force	e Civil	s eval L Engi	neeri	ng Sı	pport			
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b. Water pollution: 0 c. Occupational safety and health: 0	Headquarters Air Defense S Air National	Sector; the Guard air	e Air Force defense de	e Civil	s eval l Engi ent (F	neeri -16 a	ng Su ircra	ipport			
c. Occupational safety and health: 0	Headquarters Air Defense S Air National 11. Outstand	Sector; the Guard air ding pollut	e Air Force defense de ion and sa	e Civil	s eval l Engi ent (F	neeri -16 a	ng Su ircra	ipport		cy; a	nd an
- · · · · · · · · · · · · · · · · · · ·	Headquarters Air Defense S Air National 11. Outstand	Sector; the Guard air ding pollution:	e Air Force defense de cion and sa	e Civil	s eval l Engi ent (F	neeri -16 a	ng Su ircra	ipport		cy; a	nd an
d. Other Environmental:	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution:	e Air Force defense de cion and se con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		су; а О	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an
	Headquarters Air Defense S Air National 11. Outstand a. Air b. Wate	Sector; the Guard air ding pollution: pollution upational s	e Air Force defense de cion and sa con:	e Civil etachme afety	s eval l Engi ent (F (OSH)	neeri -16 a	ng Su ircra	ipport		0 0 0	nd an

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1. COMPONENT						į	2.	DATE	
1	Y 1996 MILITARY CO	ONSTRUC	rion P	ROJECT	DAT	A.			
AIR FORCE	(compute	er gener	rated)						
3. INSTALLATION AND	D LOCATION		4. PR	DJECT	TITL	E			
TYNDALL AIR FORCE I			FIRE ?						
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJ	JECT N	JMBER	8. 1	PROJEC	T C	OST(\$	000)
8.57.56	179-511	XLWU	195300:					1,200	
	9. cos	r estima	TES						
						UNIT		COS'	r
	ITEM		U/1	NAUQ 1	TITY	COST		(\$000	2)
FIRE TRAINING FACIL			LS	1				9	900
SUPPORTING FACILITI	(ES						- 1		170
UTILITIES			LS		İ			(	70)
PAVEMENTS			LS					(	50)
SITE IMPROVEMENTS	3		LS	-				(	50)
SUBTOTAL								1,0	70
CONTINGENCY (5%)									54
TOTAL CONTRACT COST					l			1,1	24
SUPERVISION, INSPEC	TION AND OVERHEAD	(6%)		1			- 1		67
TOTAL REQUEST			]	1	İ		-	1,1	91
TOTAL REQUEST (ROUN	IDED)						- [	1,2	200
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10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since January 1992; thus, live fire training cannot currently be conducted. Minimal training is conducted using mock-up structures with no fire or heat capability. This training does not meet Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area that can support these requirements. The existing site is currently designated as an Installation Restoration Program (IRP) site and is undergoing remedial investigation funded by Defense Environmental Restoration Account (DERA).

1. COMPONENT	FY 1996 MILITARY CONST	RUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer g	enerated)	
	ION AND LOCATION FORCE BASE, FLORIDA	\	
4. PROJECT T		5. P	ROJECT NUMBER
PTDP TDATNING	2 PACTITUV		T.WI1953001

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONE		2. DATE
ATD BODGE	FY 1996 MILITARY CONSTRUCTION PROJECT DA	1A
AIR FORCE	(computer generated) ATION AND LOCATION	
J. INSIALI	ATION AND LOCATION	
TYNDALL A	R FORCE BASE, FLORIDA	
4. PROJECT	TITLE	5. PROJECT NUMBER
אדגמת שמדה	ING FACILITY	XLWU953001
TRE IRRI	ing faciliti	ABW0333001
12. SUPPI	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	Status:	
(-/	(a) Date Design Started	94 MAR 25
	(b) Parametric Cost Estimates used to develop	costs Y
	(c) Percent Complete as of Jan 1995	100%
	(d) Date 35% Designed.	94 JUN 17
	(e) Date Design Complete	94 DEC 30
(2)	Basis:	
, ,	(a) Standard or Definitive Design -	YES
	(b) Where Design Was Most Recently Used -	MOODY
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(-)	(a) Production of Plans and Specifications	. 49
	(b) All Other Design Costs	25
	(c) Total	74
	(d) Contract	49
	(e) In-house	25
(4)	Construction Start	96 JAN
(-/	· · · · · · · · · · · · · · · · · · ·	
. Equipm	ent associated with this project will be provide	ad from
	opriations: N/A	SG ALOM
.c.ier abbt	principle. Will	

1. COMPONENT							<u> </u>	**	
	7 1996 MILITA	ARY CO	יומייצו	זא רו דייבי	ייטפפ	DAM	2. [	ATE	
AIR FORCE		outer			r nuu.	L'ALLI			
3. INSTALLATION AND I	OCATION	Justin	Ť	DMMAND			5 7	REA C	0110
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MOODY AIR FORCE BASE,	GEORGIA		AIR (	СОМВАТ	СОМ	MAND		0.85	NDE.
6. PERSONNEL	PERMANE	ENT	7	UDENT			PORTED	1	
STRENGTH	OFF ENL	CIV	OFF		CIV	OFF	ENL CI	V TO	TAL
a. As of 30 SEP 94	376 3199	459				1			,079
b. End FY 2000	396 3206	356				1			,00
	7. INVE	NTORY	DATA	(\$000	)				, 00.
a. Total Acreage: (									
b. Inventory Total As							131,	831	
c. Authorization Not							31,		
d. Authorization Requ	ested In Thi	s Prog	ram:				12,8		
e. Authorization Incl	uded In Foll	owing	Progr	am:	(FY 1	.997)	13,		
f. Planned In Next Fo		ears:		ŧ		Ť	11,8	•	
g. Remaining Deficien	cy:						22,8		
h. Grand Total:							224,		
8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY 1	996					
CATEGORY						COST	DESIGN	I STAT	ะบร
CODE PROJ	ECT TITLE		<u>s</u>	COPE		(\$000)	START	CM	IPL
141 222 0 120 1									
141-232 C-130 AERIAL						4,600		SEP	95
141-753 C-130 SQUADRO				0,000	SF	3,200	AUG 94	SEP	95
149-962 CONTROL TOWER	INTENANCE UN	IT FAC							
211-159 C-130 AIRCRAI			_		EA	2,700			95
FACILITY	T WASHRACK		3	2,100	SF	1,700	SEP 93	FEB	95
871-183 UPGRADE STORM	( DDATNAGD G	/C=51/							
O/1 105 OFGRADE STORE	DRAINAGE S	STEM			LS _	690		OCT	95
9a. Future Projects:	Included in	the.	Fo 1 1 or	TOTAL:		12,890	10071	<del></del>	
111-111 REPAIR AND EX	TEND RUNWAY	· che	10110			am (F1 12,300			
831-155 INDUSTRIAL WA	_				LS	1,000			
PRETREATMENT						1,000			
				TOTAL:	-	13,300			
9b. Future Projects:	Typical Pla	nned			ears	:			
610-129 WEAPONS SYSTE				5,000		4,000			
721-312 ALTER DORMITO	RY			156		2,300			
722-351 DINING FACILI			10	0,000		1,500			
740-675 RECREATION LI	BRARY			,000		1,050			
880-211 FIRE PROTECTI			168	3,423	SF	3,000			
10. Mission or Major	Functions:	A comp	posite	wing	with	1 two 1	F-16		
squadrons, an A/OA-10	squadron, an	d a C-	-130 s	guadro	on.				
ll. Outstanding pollu	tion and saf	ety (	OSH) c	efici	encie	es:			
a. Air pollution							3,00	0	
b. Water polluti							7,19	0	
<ul><li>c. Occupational</li><li>d. Other Environ</li></ul>	sarety and h	ealth:	:					0	
d. Other Environ	mental:							0	

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION C-130 AERIAL DELIVERY FACILITY MOODY AIR FORCE BASE, GEORGIA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 4,600 HTAC943050 141-232

2.72.31	141-232					
	9. COST	ESTIMATES				
					UNIT	COST
	ITEM	I	U/M	QUANTITY	COST	(\$000)
C-130 AERIAL DELIV			SF	24,000	130	3,120
						990
SUPPORTING FACILIT	153		LS			( 200)
UTILITIES	_		LS			( 200)
SITE IMPROVEMENT	S	I I	LS		İ	( 300)
PAVEMENTS			LS		ļ	( 290)
FIRE PROTECTION	SYSTEM		בע			$\frac{1}{4,110}$
SUBTOTAL						206
CONTINGENCY (5%)				1		$\frac{200}{4,316}$
TOTAL CONTRACT COS	T					259
SUPERVISION, INSPE	CTION AND OVERHEAD	(6%)				$\frac{235}{4,575}$
TOTAL REQUEST				j		
TOTAL REQUEST (ROU	NDED)					4,600
_						
······································		1		aread con	arata foi	ındation

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, pre-engineered metal building structure with prefinished metal walls, standing seam metal roof, fire suppression system, monorail and hoist utilities, and other necessary support as required to provide a complete and usable facility. Area includes one large work bay with general purpose maintenance and support areas attached.

Air Conditioning: 50 Tons.

2.72.31

11. REQUIREMENT: 24,000 SF ADEQUATE: O SUBSTANDARD: PROJECT: Construct a C-130 aerial delivery facility. (New Mission) REQUIREMENT: An adequate fully covered facility is required for parachute packing, maintenance, rigging, and buildup of 10,000 pound pallets used for low altitude aircraft parachute extraction system delivery. Area includes one large work bay with general purpose maintenance and support areas attached. Facility requirement includes classrooms, maintenance support, and storage space. The aircraft pallets which are prepared in this facility are used by C-130 cargo aircraft for aerial delivery of military supplies and equipment in direct support of training and contingency missions. This requirement supports beddown of the composite wing.

CURRENT SITUATION: Prior to beddown of C-130 aircraft and the new composite wing, the base had only fighter aircraft as its mission. There is no aerial delivery facility, large aircraft maintenance hangar, or any other facilities at the installation which can be used to adequately meet . this requirement. This work is currently accomplished using a hangar facility that is not fully enclosed, improperly configured, and not large enough to accommodate aerial delivery requirements. Operations cannot be accomplished efficiently and professionally, and equipment is constantly

1. COMPONENT		2. DATE
FY	1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION AND	LOCATION	

MOODY AIR FORCE BASE, GEORGIA

4. PROJECT TITLE

5. PROJECT NUMBER

C-130 AERIAL DELIVERY FACILITY

HTAC943050

exposed to outdoor weather conditions which degrade the reliability and life of the equipment.

IMPACT IF NOT PROVIDED: Required work associated with the rigging of supplies for air drops or extractions and other related functions will not be performed within a protected environment. Mission training and operational capability of the C-130 squadron will be seriously impacted and may not be able to operate as required.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/remove, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	.'A
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
WOODY AID EO	DOE DACE CEODOLA	
4. PROJECT T	RCE BASE, GEORGIA	5. PROJECT NUMBER
4. PRODECT I		J. IROODOI NONDER
C-130 AERIAL	DELIVERY FACILITY	HTAC943050
12. SUPPLEM	ENTAL DATA:	
a. Estima	ced Design Data:	
(1) S		
	Date Design Started	94 AUG 01
	Parametric Cost Estimates used to develop c	
	Percent Complete as of Jan 1995	30%
•	Date 35% Designed.	95 MAR 01
(e	Date Design Complete	95 SEP 30
(2) B	asis:	
(a	Standard or Definitive Design -	NO
(þ	Where Design Was Most Recently Used -	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	276
(b	All Other Design Costs	92
(c	Total	368
(d)	Contract	280
(e	In-house	88
(4) Co	enstruction Start	96 JAN
. Equipment	associated with this project will be provide iations: N/A	d from

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1. COMPONENT				2. DATE
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA	
AIR FORCE	(comput	er generated)		
3. INSTALLATION	AND LOCATION	4. PROJECT	TITLE	
		C-130 SQUAD	RON OPERAT	IONS/
MOODY AIR FORCE		AIRCRAFT MA	INTENANCE	UNIT FAC
5. PROGRAM ELEME	ENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJEC	T COST(\$000)
2.72.31	141-753	HTAC943042		3,200
	9. cos	T ESTIMATES		
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بند			
		UNIT	COST
U/M	QUANTITY	COST	(\$000)
SF	24,000		2,400
SF	14,000	100	(1,400)
SF	10,000	100	(1,000)
			470
LS			( 145)
LS	•		( 110)
LS			( 125)
SF	1,500	60	( 90)
			2,870
			144
			3,014
			181
1		1	3,195
	ļ	]	3,200
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1 1		•	
	U/M SF SF SF LS LS	U/M QUANTITY  SF 24,000 SF 14,000 SF 10,000  LS LS ' LS LS '	U/M QUANTITY COST  SF 24,000 SF 14,000 100 SF 10,000 100  LS LS LS LS LS

10. Description of Proposed Construction: All materials and labor required to construct facilities of steel, split faced masonry, reinforced concrete and all utilities, fire suppression systems, and all necessary support. Also construct a classified materials storage and review area within the operations facility.

Air Conditioning: 60 Tons.

11. REQUIREMENT: 60,000 SF ADEQUATE: 36,000 SF SUBSTANDARD: 0
PROJECT: Construct a Squadron Operations/ Aircraft Maintenance Unit facility (Sq Ops/AMU). (New Mission)

REQUIREMENT: A combined functions facility is required to provide both an adequate squadron operations space for planning, briefing, administration, support, and critique of combat air crews for C-130 aircraft, and adequate logistics space for a C-130 AMU to include equipment storage, tool kit storage, tool crib, bench stock, and offices. This action supports the beddown of the Composite Wing at Moody AFB. The C-130's squadron began arriving during the third quarter of FY 94 and the squadron is now at full strength.

CURRENT SITUATION: Space does not exist to house an additional squadron operations and AMU for a C-130 aircraft squadron. The current force structure is three F-16 squadrons. The projected Composite Wing force structure is four squadrons (two F-16, one A/OA-10, and one C-130). The base currently has facilities for only 3 squadrons. The C-130 squadron, which is already at Moody, is using a fighter hangar for its squadron operations facility. However, this facility does not provide the necessary room, equipment, or support to properly conduct mission planning and briefings. It also does not provide adequate space for logistics/maintenance functions.

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION

MOODY AIR FORCE BASE, GEORGIA

4. PROJECT TITLE

5. PROJECT NUMBER

C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC

HTAC943042

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential squadron operations and logistics functions, forcing additional work arounds that will degrade the mission performance of the C-130 squadron and reduce their mission capability. Squadron personnel will continue to perform mission functions in an aircraft maintenance hangar, degrading the existing C-130 mission and limiting maintenance functions for other aircraft in the hangar.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONE	NT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A
AIR FORCE	(computer generated)	
3. INSTALL	ATION AND LOCATION	
MOODY AIR	FORCE BASE, GEORGIA	
4. PROJECT		5. PROJECT NUMBER
C-130 SOUA	DRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	HTAC943042
12. SUPPL	EMENTAL DATA:	
a. Esti	nated Design Data:	
(1)	Status:	
• •	(a) Date Design Started	94 AUG 01
	(b) Parametric Cost Estimates used to develop of	
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	95 JAN 01
	(e) Date Design Complete	95 SEP 01
(2)	Basis:	
	a) Standard or Definitive Design -	YES
	b) Where Design Was Most Recently Used -	LITTLE R
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	a) Production of Plans and Specifications	192
	b) All Other Design Costs	64
	c) Total	256
	d) Contract	200
	e) In-house	56
(4)	Construction Start	96 JAN
o. Equipme	ent associated with this project will be provide	.a e
	priations: N/A	EQ I FOR
	-	

•	1. COMPONENT										2.	DATE		
		F	Y 1996 MILIT	ARY C	ONSTRUC	TIO	N PR	OJECT	DAT	A				Í
	AIR FORCE (computer generated)													
	3. INSTALLATION	ON ANI	D LOCATION			4.	PRO	JECT '	ritL!	E				1
														1
_	MOODY AIR FOR				,			L TOW						1
	5. PROGRAM ELI	EMENT	6. CATEGORY	CODE	7. PRO	JEC'	r NU	MBER	8. 1	PROJEC	T (	COST (	\$000)	
_	3.51.14		149-962				9999					2,70	<u>o</u>	1
-		<del></del>	9	. cos	r ESTIM	ATE:	<u>S</u>			r				4
								i		TINU		CO		
-			ITEM				<del> </del>	QUAN'	CITY	COSI		(\$0		+
	CONTROL TOWER						LS					i	,177	ı
	CONTROL TOWN	ER					LS					(2	,066)	
	ELEVATOR						LS					(	111)	1
	SUPPORTING FAC	CILITI	IES										515	l
	UTILITIES						LS					] (	265)	
	PAVEMENTS						LS					(	20)	ı
	SITE IMPROVE						LS	,				(	20)	
	SPECIAL FOUR		ON				LS			ı		(	55)	1
	AIRFIELD WIF	RING					LS	i	_			(	95)	ł
l	DEMOLITION						EA		1	60,0	00	(_	60)	
I	SUBTOTAL	- ~~~										1	,692	l
l	TOTAL CONTRACT	COST	·										, 692	
I	TOTAL REQUEST	4 D O 4 10				ĺ	ĺ						,692	
	TOTAL REQUEST	( KOUN	וחקח)									2,	,700	
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10. Description of Proposed Construction: Reinforced concrete footings, special foundations, floor slab, supporting superstructure, control tower cab, operations and training areas. Facility includes all site work, utilities, mechanical, electrical, fire protection, backup power systems and an elevator. Existing tower will be demolished.

Air Conditioning: 20 Tons.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a control tower. (Current Mission)

REQUIREMENT: This is a Level 1 Commanders' Facility Assessment requirement. Construct an air traffic control tower (86 feet high) with a 540 square foot cab to accommodate 7-9 air traffic control personnel, with air traffic control equipment, crew briefings, operations, and training functions. The existing tower will be demolished, the site will be cleared, and the new tower will be sited so as to provide full coverage of the airfield.

CURRENT SITUATION: The existing control tower was constructed in 1955. The tower cab, which has an area of only 225 square feet, was originally configured to accommodate three controllers and the standard complement of 1950s vintage equipment. Since then, both the mission of the base and the characteristics of the aircraft supported have changed. As a result, more air traffic controllers and more equipment is needed to cover present day air operations. The control tower work center has 21 controllers and 1 safety officer assigned to provide staffing on a seven-days-a-week, 24-hours-a-day basis. Also, this project, in providing a new facility which is appropriately sized and sited, will: enable the controllers to function more efficiently; improve safety of operations for personnel and aircraft; accommodate the numerous changes that have been made over the

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ION AND LOCATION	
MOODY AIR FOR	RCE BASE, GEORGIA	
4. PROJECT TI	ITLE 5.	PROJECT NUMBER
CONTROL TOWER	R <sup>*</sup>	QSEU909999

years in airport configuration and air traffic patterns; and escape the visual obstructions which interfere with operations at the old, existing facility. Air traffic control operations at Moody number 62,000 landings and takeoffs annually.

IMPACT IF NOT PROVIDED: The base will continue using a substandard and outdated control tower facility. Overcrowded cab conditions will remain a serious problem that limits air traffic controller mobility, prevents functional and efficient operational procedures, and degrades controller communications with pilots. These conditions, coupled with the additional effort required to safely control multiple aircraft, create conditions that jeopardize pilot safety and may cause loss of personnel and aircraft. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". The scope for this project was established in accordance with the Air Force Design Guide for Air Traffic Control Towers. Upon completion of this project, the existing tower will be demolished. A preliminary analysis of reasonable options for accomplishing this project (status quo, modify the existing tower, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Status quo and tower modification would not eliminate all operational deficiencies. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
MOODY AIR FORCE BASE, GEORGIA	
4. PROJECT TITLE	5. PROJECT NUMBER
*	
CONTROL TOWER	QSEU909999
12. SUPPLEMENTAL DATA:	
12. SOPPLEMENTAL DATA:	
a. Estimated Design Data:	
a. Escimaced Design Data:	
(1) Status:	
(a) Date Design Started	94 JAN 25
(b) Parametric Cost Estimates used to develop	
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 OCT 15
(e) Date Design Complete	95 OCT 15
(2) Basis:	
(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	SHAW
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(5000)
(a) Production of Plans and Specifications	(\$000) 150
(b) All Other Design Costs	74
(c) Total	224
(d) Contract	199
(e) In-house	25
(4) Construction Start	95 DEC
·	33 BEC
b. Equipment associated with this project will be provide	ed from
other appropriations: N/A	- 220

1. COMPONENT			2. DATE
F	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE	(comput	er generated)	
3. INSTALLATION AN	D LOCATION	4. PROJECT	<b>FITLE</b>
		C-130 AIRCRA	AFT WASHRACK
MOODY AIR FORCE BA	SE, GEORGIA	FACILITY	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.72.31	211-159	HTAC943040	1,700

9. COST ESTIMATES					
			UNIT	COST	
ITEM	ש/ט	QUANTITY	COST	(\$000)	
C-130 AIRCRAFT WASHRACK FACILITY SUPPORTING FACILITIES UTILITIES	SF	26,000	41	1,066 460 ( 175)	
UTILITIES SITE IMPROVEMENTS PAVEMENTS SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS LS LS	î		( 175) ( 140) ( 145) 1,526	

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame with insulated sheet metal walls and insulated roof system. Building to provide capability for aircraft washing with drainage tied into pollution control system. Includes support space, utilities, access apron and other necessary work as required.

Air Conditioning: 10 Tons.

REQUIREMENT: 26,000 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a C-130 aircraft washrack facility. (New Mission) REQUIREMENT: An adequate facility, properly sized and configured is needed for the recurring requirement to wash and clean C-130 aircraft. Effective washing (corrosion control) requires chemical agents for proper cleaning to remove built-up salts, oils, dirt and other corrosive type materials that will deteriorate the aircraft. This facility will be utilized solely to clean aircraft. Sanding aircraft in preparation for painting and repainting activities will not be performed in this facility. CURRENT SITUATION: The existing washrack facility cannot physically accommodate the new mission aircraft being assigned to the base. Environmental constraints prevent the new aircraft from being washed on the existing apron as a permanent solution for this requirement. hangars throughout the flightline area are used for essential aircraft maintenance and are not available for use in meeting this requirement. addition, there is no hangar on the base that can physically accommodate the C-130 aircraft. The workarounds for the temporary washrack include providing minimal capability to capture oils and solvents in a closed loop oil/water separator. A water supply line is being installed to provide interim capability to wash C-130's on the aircraft parking apron.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
AIR FORCE	(computer generated)		
3. INSTALLATION			
MOODY AIR FORCE	BASE, GEORGIA		
4. PROJECT TITE	.E	5.	PROJECT NUMBER
C-130 AIRCRAFT	WASHRACK FACILITY	ļ	HTAC943040

Aircraft washing activities will be hampered because outdoor washing of the aircraft in the heat and sun tends to dry the cleaning agents quicker than the aircraft can be rinsed causing extra water and time for a cleaning operation. The temporary washrack will also not be provided with a heated water system thus reducing the efficiency of the washing operation. Personnel must perform the cleaning year round while exposed to extremes of heat and cold temperatures.

IMPACT IF NOT PROVIDED: New C-130 aircraft and support equipment will not receive adequate cleaning to ensure corrosion prevention at Moody AFB. This will subject aircraft and equipment to shorter lifespans because corrosion maintenance requirements can not be met at the base. It is not practical or cost effective to have this work accomplished at other installations.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONEN	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
. INSTALLA	TION AND LOCATION	
OODY AIR F	DRCE BASE, GEORGIA	
		PROJECT NUMBER
-130 AIRCR	AFT WASHRACK FACILITY	HTAC943040
2. SUPPLE	MENTAL DATA:	
a. Estima	ated Design Data:	
, ,	Status:	
	a) Date Design Started	93 SEP 01
	) Parametric Cost Estimates used to develop cost	ts Y
	c) Percent Complete as of Jan 1995	90%
	d) Date 35% Designed.	93 SEP 30
(6	e) Date Design Complete	95 FEB 15
(2) I		
,	a) Standard or Definitive Design - D) Where Design Was Most Recently Used -	ON N/A
(3)	Cotal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	) Production of Plans and Specifications	71
(t	) All Other Design Costs	45
( c	c) Total	116
( c	l) Contract	70
(€	) In-house	46
(4) C	Construction Start	96 JAN
Equipmen	t associated with this project will be provided friations: N/A	from

1. COMPONE	TUS								2. DA	 ਾਸਾ	
1. COM ON		1996 MTT	ITARY CO	וופדפוו	CTTON	DBUG.	PAM		2. DA	11	
AIR FORCE			computer of			I NOO.	ICH11				
	ATION AND LO			<del></del>	DMAMMC			1	5. AR	EA CO	NS
				AIR I	FORCE			- 1		ST IN	
ROBINS AIR	R FORCE BASE	, GEORGIA	1	MATE	RIEL C	AMMO	ND		0	.95	
6. PERSONN		,	ANENT	S:	TUDENT	s	SUP	PORT	ED		
STRENGT	TH -	OFF EN	L CIV	OFF	ENL	CIV	OFF	ENL	CIV	тот	'ΑL
a. As of 3	30 SEP 94	739 32	69 11119				16	4	0 497	16,	68
b. End FY	2000	709 30	46 8805				16	4	0 497	14,	11
		7. I	NVENTORY	DATA	(\$000	)					
a. Total A	Acreage: (	8,720)		-							
	ry Total As							!	542,3	03	
	zation Not								95,2	50	
	zation Reque		_	gram:					6,90	00	
	zation Inclu				am:	(FY	1997)		25,8	50	
	In Next Fou					•	·		60,7		
	ng Deficiend								105,00		
h. Grand T		1	•					8	336,0	53	
	S REQUESTED	IN THIS	PROGRAM:	FY 1	1996		_				
CATEGORY	-						COST	DI	ESIGN	STAT	US
CODE	PROJE	CT TITLE		5	COPE		(\$000	<u> </u>	START	CM:	PL
211 120 1	CONTRA TRADI	na Pupi	CVCTTV	-		C F	6,900	<b>`</b>	IN OA	NOV	0
	STARS AIRCRA MAINTENANCE		SISIEM	-	3,000	Sr	0,900	, ,,	)N 94	NOV	9
	MAINIENANCE	DOCK			TOTAL		6,90	<u>-</u>			
9a. Futur	e Projects:	Include	d in the						371		
	STARS ADAL A				<b>.</b>	LS	7,10		,		
	HYDRANT FUEI		,				.,	-			
	STARS SQUADE		TIONS/	3	2,000	SF	9,100	)			
	AIRCRAFT MAI		•		-,			-			
	STARS AIRCRA				6,000	SF	1,650	)			
	HANGAR ASSOC										
	STARS ADD TO		_	;	8,800	SF	4,450	)			
	FACILITY				•						
740-884 J	STARS CHILD	DEVELOPM	ENT	2	0,500	SF	3,550	)			
· · -	CENTER										
					TOTAL	: -	25,850	5			
9b. Futur	e Projects:	Typical	Planned	Next	Four :	ears	5:				
211-111 J	-STARS MAINT	ENANCE H	ANGAR	3	5,000	SF	5,650	)			
211-152 I	NTEGRATED AI	RCRAFT S	YSTEMS	17	0,000	SF	16,500	)			
	MAINTENANCE	FACILITY									
211-154 D	EPOT PLANT S	ERVICES	COMPLEX	8	7,600	SF	7,900	)			
	LTER DEPOT C	ORROSION	CONTROL			LS	1,800	)			
	FACILITY				0 500	-	2 4				
	DD TO AND AL COMPLEX	TER BASE	ENGINEER	2	9,500	SF	3,450	J			
	on or Major	Function	s: Warne	r Rob	ins A	ir Lo	gistic	cs Ce	enter	whic	h h
	ible for log									_	
- respons				., _ ~ ~ ~	アーニノ						

10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support, & depot-level maintenance of F-15, C-130, & C-141 aircraft, helicopters, and avionics and electronic warfare systems; HQ AFRES; an air base wing; an AMC air refueliing wing with two KC-135 squadrons; an ACC combat communications group; an Air National Guard bomb wing with B-1 aircraft has been announced; and will be the main operating base for the Joint Surveillance and Target Attack Radar System (JSTARS) aircraft.

1. COMPONENT										2.	DAT	Έ
i	FY	1996		ARY COI			PROGE	KAM				
AIR FORCE				puter (		MMAND					ADE	A CONS
3. INSTALLATI	ON AND LO	CATIO	ON									T INDE
					AIR FORCE							
ROBINS AIR FO	RCE BASE,	GEO	GEORGIA MATERIEL COMMAND PERMANENT STUDENTS SUPPOR					PORT	0.95			
5. PERSONNEL			PERMANI			UDENTS	CIV				IV	TOTAL
STRENGTH	-	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	-   -	110	TOTAL
a. As of		1									1	
. End FY				<u> </u>	<u> </u>		<u></u>		-			
			7. INV	ENTORY	DATA	(\$000	<u> </u>					
. Total Acre												
. Inventory	Total As	Of:										
. Authorizat	ion Not	let I	n Inve	ntory:								
l. Authorizat	ion Reque	ested	In Th	is Pro	gram:							
e. Authorizat	ion Inclu	ided :	In Fol	lowing	Progi	cam:						•
f. Planned I			ogram	Years:		:						
g. Remaining	Deficienc											
Grand Tota	al:							<u></u>				
1. Outstand	ding poll	ution	and s	afety	(OSH)	defic	ienc	ies:				
										_	000	
	pollution									6,	.000	
	er pollut.										(	
c. Occi	pational	safe	ty and	healt	h:							)
d. Oth	er Enviro	nment	al:							Ι,	, 800	)

158

1. COMPONENT							2. DATE	
	FY	FY 1996 MILITARY CONSTRUCTION PROJECT DATA						
AIR FORCE		(computer generated)						
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
	JSTARS AIRCRAFT FUEL							
<u> </u>	ROBINS AIR FORCE BASE, GEORGIA MAINTENANCE DOCK							
5. PROGRAM EI	LEMENT	6. CATEGORY	CODE	7. PROS	ECT NUMBER	8. PROJE	CT COST(\$000)	
	ĺ							
6.47.70 T	IARA	211-179		UHHZ	963010		6,900	

9. COST ESTIMAT	res			
ITEM	II/M	QUANTITY	UNIT COST	COST (\$000)
	10/	Zonivilli	-0001	(\$000)
JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK SUPPORTING FACILITIES UTILITIES FIRE PROTECTION SYSTEM PAVEMENTS SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%)	SF LS LS LS	35,000	135	4,725 1,510 ( 365) ( 145) ( 635) ( 365) 6,235 312 6,547 393
TOTAL REQUEST (ROUNDED)				6,940 6,900

- 10. Description of Proposed Construction: Concrete foundation and floor slab, structural steel, steel siding, and built-up roof. Includes approach pavements, fire protection system, mechanical ventilation, and fume sensing and alarm system. The project includes all required utilities and site work.
- REQUIREMENT: 50,180 SF ADEQUATE: 15,180 SF SUBSTANDARD: 0 PROJECT: Construct an aircraft fuel systems maintenance dock to support the Joint Surveillance Target Attack Radar System (JSTARS). (New Mission) REQUIREMENT: A permanent facility of adequate size and configuration is required to provide all-weather maintenance capability for fuel systems and fuel system components of the JSTARS aircraft. This project is critical to the beddown of Joint STARS, which is an Air Force/Army program for real-time detection, tracking, and attack of moving and stationary ground targets. The system will consist of an airborne segment on board E-8C configured aircraft and a mobile ground communication segment. CURRENT SITUATION: There are no fuel system maintenance dock facilities large enough to support JSTARS aircraft at Robins AFB. All existing facilities are fully utilized by currently assigned aircraft at the base. IMPACT IF NOT PROVIDED: The base will not be able to adequately support the beddown of JSTARS aircraft. There will be no facility available to properly conduct fuel systems maintenance on new mission aircraft. Failure to maintain each aircraft in a safe and ready state will adversely affect the combat mission capability of the Air Force, Army, and Allied battle units.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual

1. COMPONENT		2. DATE
FY	1996 MILITARY CONSTRUCTION PROJECT DA	ATA
AIR FORCE	(computer generated)	
3. INSTALLATION AND	LOCATION	
ROBINS AIR FORCE BAS	E, GEORGIA	
4. PROJECT TITLE		5. PROJECT NUMBER
İ		
JETARS ATROBART FURT	SYSTEM MAINTENANCE DOCK	UHHZ963010

86-2, "Standard Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONENT	<del>* · · · · · · · · · · · · · · · · · · ·</del>	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PF	ROJECT NUMBER
JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	UH	HZ963010
12. SUPPLEMENTAL DATA:		
12. SUPPLEMENTAL DATA:		
a Ratimated Danies Data		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		94 JUN 10
(b) Parametric Cost Estimates used to develop	costs	94 00N 10 Y
(c) Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		94 AUG 19
(e) Date Design Complete		95 NOV 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		360
(b) All Other Design Costs		20
(c) Total		380
(d) Contract		285
(e) In-house		95
(4) Construction Start		96 JAN

b. Equipment associated with this project will be provided from other appropriations:  $\ensuremath{\text{N/A}}$ 

1. COMPONENT FY 1996 MILITAR	V CON	וופתפוו	ייי ארט זייי	PROGI	RAM	2	. DAT	re
AIR FORCE FY 1996 MILITAR (compu				NOGI	CH1			
3. INSTALLATION AND LOCATION	101	_	MMAND			5	ARE	EA CONS
J. INSIADDATION AND DOCATION		7. 00						T INDE
HICKAM AIR FORCE BASE, HAWAII		DACTE	'IC AII	ROE R	CES		1.64	
6. PERSONNEL PERMANEN			UDENT			ORTE		
	CIV			civ	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94 688 2638		OFF	BND	CIV	32		225	
					32		225	
o. End FY 2000   680   2552   7. INVEN		DATA	/\$000	\	32	232	223	3,34
a. Total Acreage: ( 7,931)	TORT	DAIA	(\$000					
o. Inventory Total As Of: (30 SEP	941					5	81,07	7
							22,80	
c. Authorization Not Yet In Invent							-	
d. Authorization Requested In This							10,70	
e. Authorization Included In Follo		Progr	am:	(FY.	1997)		3,15	
f. Planned In Next Four Program Ye	ars:						28,20	
g. Remaining Deficiency:							41,48	
h. Grand Total:						- 8	87,41	.4
B. PROJECTS REQUESTED IN THIS PROG	RAM:	FY 1	.996					
CATEGORY					COST			STATUS
CODE PROJECT TITLE		<u>s</u>	COPE		(\$000)	<u> </u>	TART	CMPL
113-321 REPAIR AIRFIELD PAVEMENTS		10	2,200	SY	4,550	) MA	R 94	JUN 9
721-312 ALTER DORMITORY			36	PN	3,100	) AP	R 93	DEC 9
721-315 ALTER TRANSIENT DORMITORY					3,050		C 93	DEC 9
7	4.1		TOTAL		10,700		<del></del>	
9a. Future Projects: Included in							/)	
721-315 ALTER TRANSIENT DORMITORY				-	3,150	-		
9b. Future Projects: Typical Pla	2209		TOTAL		3,150			
						`		
113-321 UPGRADE AIRFIELD APRON, P 442-257 FLAMMABLE STORAGE WAREHOU					10,600			
442-257 FLAMMABLE STORAGE WAREHOU 610-249 CONSOLIDATED MOBILITY CEN					1,200			
					1,400			
610-284 RENOV HQ PACAF COMPLEX P		4						
721-312 ALTER UNACCOMPANIED ENLIS	TED		352	PN	5,000	,		
DORMITORY	77							
10. Mission or Major Functions:		-						
National Guard Group with C-130, F								
major activities include an Air In	cerri	rgence	Agen	cy L	icetti	jence	grou	ip and
an airlift support group. ll. Outstanding pollution and saf	ot	(OCH)	dofic	iona				
ii. Outstanding politicion and said	ecy (	(USH)	delic	renc.	res:			
a. Air pollution:							,	)
								)
b. Water pollution:	021+1							_
c. Occupational safety and h d. Other Environmental:	Editi						2,44	) =
d. Other Environmental:							2,44	

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE		er generated)	
3. INSTALLATION AND	D LOCATION	4. PROJECT	TITLE
HICKAM AIR FORCE B		REPAIR AIRF	IELD PAVEMENTS
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.75.96P	113-321	KNMD963006	4,550
	9. COST	P FSTIMATES	

9. COST ESTIMAT	E 5			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPAIR AIRFIELD PAVEMENT	SY	102,200		4,088
APRON	SY	81,000	40	(3,240)
TAXIWAY	SY	21,200	40	( 848)
SUBTOTAL				4,088
CONTINGENCY (5%)				204
TOTAL CONTRACT COST				4,292
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)		•		279
TOTAL REQUEST				4,571
TOTAL REQUEST (ROUNDED)		!		4,550
		1		_
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	1 1		1	
	1 1			j
			İ	

10. Description of Proposed Construction: All work necessary to repair airfield pavements including but not limited to: remove and replace existing asphaltic concrete (AC) pavement and base course, cold plane AC pavement, apply prime coat and tack coat, place 2" AC pavement overlay, seal coat AC pavement, paint pavement striping, and all other necessary support.

11. REQUIREMENT: 1,342,200 SY ADEQUATE: 258,700 SY

SUBSTANDARD: 1,083,500 SY

PROJECT: Repair airfield pavements. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Adequate airfield aprons and taxiways in good condition are required for the safe operation of assigned and transient aircraft. The main apron must be able to accommodate wide body aircraft.

CURRENT SITUATION: The original airfield aprons were constructed in 1938 based on the prevailing wheel loads at that time. Piecemeal efforts to maintain, repair and reconstruct the pavements over the years have created a diverse pavement system, causing considerable maintenance and operational problems. The January 1993 Airfield Pavement Evaluation Report by the Air Force Civil Engineering Support Agency rated the apron parking areas fair to poor. It indicated that these areas have medium to high severity distresses and near-term maintenance, repair and reconstruction are required. The airfield pavement evaluation revealed that the existing apron is structurally inadequate for assigned and transient aircraft; and pavement failure has progressed to the point where deteriorating asphalt is a major source of foreign object damage (FOD) to aircraft.

IMPACT IF NOT PROVIDED: This project is urgent and its deferral will

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII	
4. PROJECT TITLE	5. PROJECT NUMBER
REPAIR AIRFIELD PAVEMENTS	KNMD963006

continuous FOD problems to aircraft. The parking apron and taxiway deterioration will continue to a point where they can no longer safely support aircraft. Failure to repair these essential airfield pavements will prolong a dangerous situation that may lead to aircraft damage and prevent the base from accomplishing its mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, relocate, replace in kind, and repair) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

result in further deterioration to the existing pavement causing

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ΓA	
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
	RCE BASE, HAWAII	,	
4. PROJECT TI	TLE	5. PR	OJECT NUMBE
			WD063006
REPAIR AIRFIE	ED PAVEMENTS	KN	MD963006
12. SUPPLEME	NTAL DATA:		
iz. Soffbene	MIRD DAIR.		
a. Estimat	ed Design Data:		
(1) St	atus:		
(a)	Date Design Started		94 MAR 2
(b)	Parametric Cost Estimates used to develop of	costs	
(c)	Percent Complete as of Jan 1995 · ·		35
(d)	Date 35% Designed.		94 NOV 2
(e)	Date Design Complete		95 JUN 1
(2) Ba	sis:		
(a)	Standard or Definitive Design -		NO
(p)	Where Design Was Most Recently Used -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$00
	Production of Plans and Specifications		27
	All Other Design Costs		17
(C)	Total		44
(d)	Contract		
(e)	In-house		44
(4) Co	nstruction Start		96 JA
. Equipment	associated with this project will be provide	d from	1

1. COMPONENT			2. DATE
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE	(comput	er generated)	
3. INSTALLATIO	N AND LOCATION	4. PROJECT	TITLE
HICKAM AIR FOR	CE BASE, HAWAII	ALTER DORMIT	rory
		7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.75.96P	721-312	KNMD933018R1	3,100

9. COST ESTIMATE	S			
-			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORY (36 PN)				2,509
DORMITORY	SF	25,600	96	(2,458)
AUTOMATIC SPRINKLER PROTECTION	SF	25,600	2	( 51)
SUPPORTING FACILITIES '				145
UTILITIES	LS			( 10)
COMMUNICATIONS SUPPORT	LS			( 10)
SITE IMPROVEMENTS	LS			( 25)
SOLAR APPLICATIONS .	LS			( <u>100</u> )
SUBTOTAL		:		2,654
CONTINGENCY (10%)				265
TOTAL CONTRACT COST				2,919
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				190
TOTAL REQUEST				3,109
TOTAL REQUEST (ROUNDED)				3,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(273)
		1		

- Description of Proposed Construction: Electrical, structural, architectural, and mechanical alterations. Convert dormitory from central latrine to room-bath-room configuration; includes exterior entrances, lounges, storage, fire protection, handicapped access to first floor common areas, landscaping, and all other necessary support. Air Conditioning: 85 Tons. Grade Mix: 36 E5-E6.
- 11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that promotes proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to successfully accomplish the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 36 personnel: 36 E5-E6, with a maximum utilization of 72 personnel.

CURRENT SITUATION: The facility to be altered was constructed in 1965 to standards in effect at that time. It has central latrines, no private entrances, insufficient noise attenuation for shift workers resting at various hours, and it lacks the necessary amenities found in modern dormitories.

IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of the enlisted

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT	2. DATE
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AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
HICKAM AIR FORCE BASE, HAWAII	
4. PROJECT TITLE	5. PROJECT NUMBER
ALTER DORMITORY	KNMD933018R1

revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

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12. SUPPLEME	ENTAL DATA:				
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a. Estimat	ed Design Data:				
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	Date Design Sta			-	93 APR 14
		Estimates used t	o develop c	osts	Y
	Percent Complet			,	35%
<ul><li>(d) Date 35% Designed.</li><li>(e) Date Design Complete</li></ul>					94 DEC 30 95 DEC 22
(=)	Date Design Co.	histore		3	95 DEC 22
(2) Ba	sis:				
(a)	Standard or Dei	finitive Design -			NO
		as Most Recently U	lsed -		N/A
		a) + (b) or (d) +			(\$000)
		Plans and Specific	ations		160
	All Other Designment	In Costs			114
	Contract				274
• •	In-house				274
(4) Co	nstruction Start				96 MAR
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1. COMPONENT			·				2. DATE	
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HICKAM AIR FO	RCE BA	SE, HAWAII			ALTER TRAN	SIENT DORM	ITORY	
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PRO	JECT NUMBER	8. PROJE	CT COST(\$000)	
2.75.96P		721-315		KNMI	933020		3,050	
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9. COST ESTIMATE	S			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
ALTER TRANSIENT DORMITORY (62 PN)				2,460
DORMITORY	SF	25,100	96	(2,410)
AUTOMATIC SPRINKLER PROTECTION	SF	25,100	2	( 50)
SUPPORTING FACILITIES	1			160
UTILITIES	LS			( 10)
COMMUNICATIONS SUPPORT	LS			( 10)
SITE IMPROVEMENTS	LS	•		( 20)
SOLAR APPLICATIONS	LS			( <u>120</u> )
SUBTOTAL				2,620
CONTINGENCY (10%)				262
TOTAL CONTRACT COST		]		2,882
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				<u> 187</u>
TOTAL REQUEST				3,069
TOTAL REQUEST (ROUNDED)				3,050
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(310)

- 10. Description of Proposed Construction: Electrical, structural, architectural, and mechanical alterations. Convert dormitory from central latrine to room-bath-room configuration; includes exterior entrances, lounges, storage, fire protection, handicapped access to first floor common areas, landscaping, and all other necessary support.
- Air Conditioning: 85 Tons. Grade Mix: 62 E5-E6.
- 11. REQUIREMENT: 1,471 PN ADEQUATE: 779 PN SUBSTANDARD: PROJECT: Alter transient dormitory. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to successfully accomplish the increasingly complicated and

important jobs these people must perform. CURRENT SITUATION: The facility to be altered was constructed in 1968 to standards in effect at that time. It has central latrines, no private entryways, insufficient noise attenuation for shift workers resting at various hours, and lacks the necessary amenities found in modern dormitories.

IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of the enlisted force.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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4. PROJECT T	TLE 5.	PROJECT NUMBER
ALTER TRANSIE	ENT DORMITORY	KNMD933020

present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire Protection Systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

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HICKAM AIR FO	DRCE BASE, HAWAII			
4. PROJECT TI				5. PROJECT NUMBER
ALTER TRANSIE	ENT DORMITORY			KNMD933020
12. SUPPLEME	ENTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:			
1 ' '	Date Design Sta	rted		93 DEC 20
	Parametric Cost		o develop co	osts Y
, ,	.Percent Complete		•	35%
	Date 35% Design			94 DEC 30
(e)	Date Design Com	plete		95 DEC 22
(2) Ba	sis:			
(a)		initive Design -		NO
1 '	Where Design Was		sed -	N/A
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	tal Cost (c) = (a)			(\$000)
	Production of P		ations	160
	All Other Design	n Costs		151
1 ' '	Total			311
	Contract	,		
(6)	In-house			311
(4) Co	nstruction Start			96 MAR
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b. Equipment other appropri	associated with t lations:	this project will	be provided	from
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FOIT	I PMENT	PROCURING	FISCAL YE.	
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INSTALLATION AND LOCATION	1. COMPONENT	<b></b>	1006					<b>-</b>			2. DAT	ľE
S. AREA CONSOLUTION   A. COMMAND   S. AREA CONSOLUTION   ATR COMBAT COMMAND   COST INSTERED	AIR FORCE	FY.	1996					PROGI	KAM			
OUNTAIN HOME AIR FORCE BASE, IDAHO  PERSONNEL  PERSONNEL  PERSONNEL  PERMANENT  STUDENTS  SUPPORTED  STRENGTH  OFF ENL CIV OFF ENL CIV OFF ENL CIV OFF ENL CIV OTAL  As of 30 SEP 94 350 2824 496 2 16 49 3,73  End FY 2000 411 3308 390 2 2 16 49 4,17  7. INVENTORY DATA (5000)  Total Acreage: (11,607)  Inventory Total As Of: (30 SEP 94)  Authorization Not Yet In Inventory: 15,950  Authorization Not Yet In Inventory: 15,950  Authorization nequested In This Program: (FY 1997) 8,000  Planned In Next Four Program Years: 500  Planned In Next Four Program Years: 500  PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  AREGORY  COST INDE  COST INDE  TOTAL		ON AND LO	CATIO			7					5. ARE	A COI
OUNTAIN HOME AIR FORCE BASE, IDAHO												
PERSONNEL   PERMANENT   STUDENTS   SUPPORTED	MOUNTAIN HOME	AIR FORCE	E BAS	E. ID	АНО	AIR C	COMBAT	COM	AND			
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7. INVENTORY DATA (\$000)  . Total Acreage: ( 13,607) . Inventory Total As Of: (30 SEP 94) . Authorization Not Yet In Inventory: 15,950 . Authorization Requested In This Program: (FY 1997) 8,000 . Planned In Next Four Program Years: 500 . Remaining Deficiency: 53,330 . Grand Total: 301,763 . PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 ARTEGORY COST DESIGN STATUS CODE PROJECT TITLE SCOPE (\$000) START CMPL (NORTH SITE) 31-165 WASTEWATER TREATMENT AND LS 9,850 APR 94 SEP 9 (NORTH SITE) 31-165 WASTEWATER TREATMENT AND LS 9,850 APR 94 AUG 9 DISPOSAL PLANT 71-183 UPGRADE STORM DRAINAGE SYSTEM LS 800 APR 94 AUG 9 a. Future Projects: Included in the Following Program (FY 1997) 30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000 79-481 IDAHO TRAINING RANGE LS 3,000 (SOUTH SITE)  D. Future Projects: Typical Planned Next Four Years: 21-312 UPGRADE DORMITORY 106 FN 500 D. Mission or Major Functions: A composite wing with one F-16 squadron, one F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecgraphically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined). 1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 3,000 b. Water pollution: 11,990 c. Occupational safety and health: 0	b. End FY 2000	0	411	3308	390				2	1	ا 49	
Total Acreage: ( 13,607)   205,333   205,333   201,335   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,333   205,334   205,335			7	. INV	ENTORY	DATA	(\$000	)				
Inventory Total As Of: (30 SEP 94)   205,333     Authorization Not Yet In Inventory:   15,950     Authorization Requested In This Program:   18,650     Authorization Included In Following Program: (FY 1997)   8,000     Planned In Next Four Program Years:   500     Remaining Deficiency:   53,330     Grand Total:   301,763     PROJECTS REQUESTED IN THIS PROGRAM: FY 1996     ATEGORY   COST   DESIGN STATUS     CODE   PROJECT TITLE   SCOPE   (\$000)   START   CMPL     CODE   PROJECT TITLE   SCOPE   (\$000)   START   CMPL     COME   PROJECT TITLE   SCOPE   (\$000)	a. Total Acres	age: (										
. Authorization Not Yet In Inventory: . Authorization Requested In This Program: . Authorization Requested In This Program: . Authorization Included In Following Program: . Authorization Included In Following Program: . Planned In Next Four Program Years: . Following Program: . PROJECTS REQUESTED IN THIS PROGRAM: . PROJECTS REQUESTED IN THIS PROGRAM: . PROJECTS REQUESTED IN THIS PROGRAM: . PROJECT REQUESTED IN THIS PROGRAM: . PROJECT REQUESTED IN THIS PROGRAM: . PROJECT STATUS . CODE . PROJECT TITLE . SCOPE . SCOPE . SCOPE . SCOPE . SCOPE . SCOPE . STATUS . SCOPE . SOUO . START CMPI . CMPI . CMPI . SPANDAM SEP 9 . START CMPI . SPANDAM SEP 9 . START CMPI . SPANDAM SEP 94. AUG 9 . DISPOSAL PLANT . SPANDAM SEP 94. AUG 9 . DISPOSAL PLANT . SCOPE . SOUO . APR 94. AUG 9 . TOTAL: . SAUO . APR 94. AUG 9 . TOTAL: . APR 94. AUG		-		-	EP 94)						205,33	13
Authorization Requested In This Program: Authorization Included In Following Program: (FY 1997) 8,000 Planned In Next Four Program Years: Remaining Deficiency: S3,330 Grand Total: PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 ATEGORY CODE PROJECT TITLE SCOPE (SOUD) START CMPL  79-481 IDAHO TRAINING RANGE (NORTH SITE) 31-165 WASTEWATER TREATMENT AND DISPOSAL PLANT 71-183 UPGRADE STORM DRAINAGE SYSTEM LS BOO APR 94 AUG 9 TOTAL: B,650  APR 94 AUG 9 TOTAL: B,650  500  TOTAL: B,650  APR 94 AUG 9 TOTAL: B,650				-	-						•	
Authorization Included In Following Program: (FY 1997) 8,000 Planned In Next Four Program Years: 500 Remaining Deficiency: 53,330 Grand Total: 301,763  PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 ATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  79-481 IDAHO TRAINING RANGE LS 8,000 APR 94 SEP 9 (NORTH SITE) 31-165 WASTEWATER TREATMENT AND LS 9,850 APR 94 AUG 9 DISPOSAL PLANT 71-183 UPGRADE STORM DRAINAGE SYSTEM LS 800 APR 94 AUG 9 TOTAL: 18,650 a. Future Projects: Included in the Following Program (FY 1997) 30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000 (SOUTH SITE)  b. Future Projects: Typical Planned Next Four Years: 21-312 UPGRADE DORMITORY 106 PN 500 0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined). 1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 3,000 b. Water pollution: 11,990 c. Occupational safety and health: 0					_	ram:					-	
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Remaining Deficiency:   53,330   301,763					_	_		•	,			
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. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 ATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL  79-481 IDAHO TRAINING RANGE (NORTH SITE) 31-165 WASTEWATER TREATMENT AND DISPOSAL PLANT 71-183 UPGRADE STORM DRAINAGE SYSTEM TOTAL:  a. Future Projects: Included in the Following Program (FY 1997) 30-142 FLIGHTLINE FIRE STATION (SOUTH SITE)  b. Future Projects: Typical Planned Next Four Years: 21-312 UPGRADE DORMITORY  0. Mission or Major Functions: A composite wing with one F-16 squadron, one F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution:  a. Air pollution:  b. Water pollution:  11,990 c. Occupational safety and health:  3 COST DESIGN STATUS  COST DESIGN STATUS  COST DESIGN STATUS  SCOPE (\$000) START CMPL  SCOPE (\$000) START SCOPE  STATUS  SCOPE (\$000) START SCOPE  SCOPE (\$000) START SAMPL  SCOPE  SCOPE (\$000) START SCOPE  SCOPE  SCOPE (\$000) START SCOPE  SCOPE  SCOPE  SCOPE	•		•				•				-	•
CODE PROJECT TITLE SCOPE (\$000) START CMPL  79-481 IDAHO TRAINING RANGE LS 8,000 APR 94 SEP 9  (NORTH SITE)  31-165 WASTEWATER TREATMENT AND LS 9,850 APR 94 AUG 9  DISPOSAL PLANT  71-183 UPGRADE STORM DRAINAGE SYSTEM LS 800 APR 94 AUG 9  a. Future Projects: Included in the Following Program (FY 1997)  30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000  79-481 IDAHO TRAINING RANGE LS 3,000  (SOUTH SITE) TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY 106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 3,000 b. Water pollution: 0	PROJECTS RI	EQUESTED !	IN TH	IS PRO	OGRAM:	FY 1	996					
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79-481 IDAHO TRAINING RANGE (NORTH SITE)  31-165 WASTEWATER TREATMENT AND LS 9,850 APR 94 AUG 9	CODE	PROJEC	CT TI	TLE		5	COPE		(\$000	_		
(NORTH SITE)  31-165 WASTEWATER TREATMENT AND LS 9,850 APR 94 AUG 9 DISPOSAL PLANT  71-183 UPGRADE STORM DRAINAGE SYSTEM LS 800 APR 94 AUG 9 TOTAL: 18,650  a. Future Projects: Included in the Following Program (FY 1997) 30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000 79-481 IDAHO TRAINING RANGE LS 3,000 (SOUTH SITE) TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years: 21-312 UPGRADE DORMITORY 106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, 0 (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 3,000 b. Water pollution: 0						_				_		
All 165 WASTEWATER TREATMENT AND LS 9,850 APR 94 AUG 9  DISPOSAL PLANT  71-183 UPGRADE STORM DRAINAGE SYSTEM  TOTAL: 18,650  a. Future Projects: Included in the Following Program (FY 1997) 30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000  79-481 IDAHO TRAINING RANGE LS 3,000  (SOUTH SITE)  TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years: 21-312 UPGRADE DORMITORY 106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, 0 (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 3,000 b. Water pollution: 3,000 c. Occupational safety and health: 0	79-481 IDAH	TRAINING	RAN	GE				LS	8,00	0 A	PR 94	SEP
DISPOSAL PLANT  71-183 UPGRADE STORM DRAINAGE SYSTEM  TOTAL: 18,650  a. Future Projects: Included in the Following Program (FY 1997)  30-142 FLIGHTLINE FIRE STATION  79-481 IDAHO TRAINING RANGE  (SOUTH SITE)  TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY  106 PN  500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  3,000  b. Water pollution:  11,990  c. Occupational safety and health:	(NOI	RTH SITE)										
TOTAL: 18,650  a. Future Projects: Included in the Following Program (FY 1997)  30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000  79-481 IDAHO TRAINING RANGE LS 3,000  (SOUTH SITE)  TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY 106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 3,000 b. Water pollution: 11,990 c. Occupational safety and health: 0	31-165 WAST	EWATER TRE	EATME	NT ANI	)			LS	9,85	0 A	PR 94	AUG
a. Future Projects: Included in the Following Program (FY 1997)  30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000  79-481 IDAHO TRAINING RANGE LS 3,000  (SOUTH SITE)  TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY 106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 3,000  b. Water pollution: 3,000  c. Occupational safety and health: 0	DIS	POSAL PLAN	T									
a. Future Projects: Included in the Following Program (FY 1997)  30-142 FLIGHTLINE FIRE STATION 24,800 SF 5,000  79-481 IDAHO TRAINING RANGE LS 3,000  (SOUTH SITE)  TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY 106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a ecographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  3,000  b. Water pollution:  11,990  c. Occupational safety and health:	371-183 UPGRA	ADE STORM	DRAI	NAGE S	SYSTEM			LS _	80	0 A	PR 94	AUG
30-142 FLIGHTLINE FIRE STATION  79-481 IDAHO TRAINING RANGE  (SOUTH SITE)  TOTAL:  8,000  b. Future Projects: Typical Planned Next Four Years: 21-312 UPGRADE DORMITORY  106 PN  500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, 0 (transfer to Mountain Home AFB at a time to be determined). 1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  3,000  b. Water pollution:  11,990  c. Occupational safety and health:							TOTAL:	:	18,65	0		
TOTAL: 8,000  (SOUTH SITE)  TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY  106 PN  500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB,  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0	a. Future Pi	rojects:	Incl	uded i	in the	Follo	wing I	Progr	am (F	Y 19	97)	
(SOUTH SITE)  TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY  106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  0 0 11,990  11,990  11,990		ATLINE FIF	RE ST	ATION		2	4,800	SF	5,00	0		
TOTAL: 8,000  b. Future Projects: Typical Planned Next Four Years: 21-312 UPGRADE DORMITORY  106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, one F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  3,000  b. Water pollution:  0 0	179-481 IDAH	TRAINING	RAN	GE				LS	3,00	0		
b. Future Projects: Typical Planned Next Four Years:  21-312 UPGRADE DORMITORY  106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, one F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  3,000  b. Water pollution:  11,990  c. Occupational safety and health:	(SOI)	JTH SITE)										
21-312 UPGRADE DORMITORY  106 PN 500  0. Mission or Major Functions: A composite wing with one F-16 squadron, one F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0										0		M
O. Mission or Major Functions: A composite wing with one F-16 squadron, ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  11,990  c. Occupational safety and health:  0		_		cal Pl	lanned	Next	Four Y	lears				
ne F-15E squadron, one KC-135R squadron, one E-3B/C squadron (programmed, ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  11,990  c. Occupational safety and health:											····	
ut on indefinite hold due to real world contingency requirements), and a eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB, D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0						_						
eographically separated unit (GSU) with B-1B aircraft at Ellsworth AFB,  D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0					-			•	-			
D (transfer to Mountain Home AFB at a time to be determined).  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0							_	_				
a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0  3,000  11,990  0		_			-						orth A	YFB,
a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  3,000  11,990  0										d).		
b. Water pollution: 11,990 c. Occupational safety and health: 0	.1. Outstandi	ing pollut	cion	and sa	afety	(OSH)	defic	ienci	es:			
b. Water pollution: 11,990 c. Occupational safety and health: 0	n nim -	1 1									3 000	١
c. Occupational safety and health: 0	_										•	
		-		د ــ	h1+1							
d. Other Environmental:	-	•		-	nearti	1:						
	a. Otner	Environm	пепта	Τ:								,

1. COMPONENT							2.	DATE
	F:	Y 1996 MILITARY C	ONSTRUC	rion pr	OJECT D	ATA	1	
AIR FORCE	AIR FORCE (computer generated)							
3. INSTALLATI	ON ANI	D LOCATION		4. PRO	JECT TI	TLE		
				IDAHO	TRAININ	G RANG	E	
MOUNTAIN HOME	AIR I	FORCE BASE, IDAHO		(NORTH	SITE)			
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	JECT NU	MBER 8	. PROJ	ECT	COST(\$000)
2.75.97		179-481	QYZI	1963014				8,000
		9. cos	T ESTIMA	ATES				
						UN	IT	COST
		ITEM		ש/ע	QUANTI	TY CO	ST	(\$000)
IDAHO TRAININ	G RANG	GE (NORTH SITE)		LS				2,346
MAINTENANCE	FACI	LITY		SF	10,00	ן ס	74	( 740)
ADMINISTRAT	IVE/O	PERATIONS FACILIT	Y	SF	10,00	o	57	( 570)
TARGET AREA	S/TARG	GET SITES		EA		5   172	,670	(1,036)
SUPPORTING FA	CILIT	IES						4,835
CONSTRUCT R	OADS			LF	44,40	o	22	( 975)
IMPROVE EXI	STING	ROADS		LF	195,50	o	16	(3,130)
UTILITIES				LS	ĺ			( 150)
SITE IMPROV	EMENTS	3		LS				( 20)
FENCING (VA	RIOUS	TYPES)		LF	140,00	)	4	(_560)
SUBTOTAL								7,181

10. Description of Proposed Construction: Develop a 10 acre site to include two steel frame, metal-sided facilities on concrete pads. Include diesel generator, waterwell, pump, piping and storage, and wastewater septic system. Construct helicopter pad, gravel parking lot, gravel access roads, firebreaks, security fencing, target areas and other necessary support.

## 11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

PROJECT: Construct Idaho Training Range (North Site). (New Mission) REQUIREMENT: A new range is required to provide realistic training for aircrews to maintain combat capability. The range must provide a variety of near-real targets to simulate conditions that can be expected in a real combat scenario. The Class B range at north site will consist of 2 target areas with four target sites. A Class B range can be manned or unmanned and has a scoring capability from the ground, but does not have a Range Control Officer on the ground controlling aircraft. Facilities are required to provide vehicle and range maintenance, and administrative space. The training infrastructure must provide realistic simulated battlefield conditions. To maximize combat efficiency, cost effectiveness and unit readiness, the training infrastructure must be locally available. CURRENT SITUATION: Saylor Creek Range (SCR) is approximately 40 miles southeast of Mt Home AFB and has limited capability for composite wing training. Due to its size, the SCR can not be used in the training of composite force formations, which is a basic composite wing requirement. Composite wing aircraft must fly to distant ranges for other training such as defense indepth, flag exercises, or first look targets. Aircraft must refuel in-flight or refuel at other bases before and/or after the mission. Approximately 3000 hours of flying time are now used in transit to the

359 7,540

452 7,992

8,000

	1. COMPONENT		2. Di	ATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
	AIR FORCE	(computer generated)		
	3. INSTALLATION	AND LOCATION		
	MOUNTAIN HOME A	IR FORCE BASE, IDAHO		
	4. PROJECT TITL	E 5.	. PROJECT	NUMBER
I	IDAHO TRAINING	RANGE (NORTH SITE)	OV 7 HO 6 2 C	21.4

more distant ranges in Utah and Nevada. Because of the increased flight time required for these training activities and the additional fuel consumed, obtaining this training on a routine basis is neither practical nor cost-effective. The distant locations of these aircrew training ranges necessitate not only additional flying time but also the associated requirement and cost for additional tanker missions for in-flight refueling, when needed. The SCR can not support the full scale composite force training requirement because it does not provide the air space and range infrastructure to allow the use of the full range of target options such as: forward edge of the battle area, battlefield air interdiction, and deep interdiction.

IMPACT IF NOT PROVIDED: The composite wing will not have the required local training facilities to meet their current combat training needs. The wing will be forced to continue using distant training ranges, and this necessitates increased sortie lengths, adds associated tanker missions for in-flight refueling when required, causes extra fuel consumption, and reduces total training time on the ranges for aircrew members to improve and maintain combat proficiency.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". The land is being obtained through a land exchange between The State of Idaho and the Bureau of Land Management. Some private land may be purchased using funds provided in the Military Construction Appropriations Act, of 1994. A companion project to develop the south site of the ITR is being programmed in FY 97. A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade, new construction) was done. New construction is the only option that can meet mission requirements. As a result, a full economic analysis was not performed. A certificate of exception has been prepared.

. COMPONI	ENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
IR FORCE		(computer generated)	
. INSTALI	LATIC	ON AND LOCATION	
OUNTAIN F	HOME	AIR FORCE BASE, IDAHO	
. PROJECT			PROJECT NUMBER
DAHO TRAI	INING	RANGE (NORTH SITE)	QYZH963014
2. SUPPI	LEMEN	ITAL DATA:	
a. Esti	imate	ed Design Data:	
(1)		tus:	
		Date Design Started	94 APR 01
		Parametric Cost Estimates used to develop cost	
		Percent Complete as of Jan 1995	359
		Date 35% Designed.	94 AUG 30
	(e)	Date Design Complete	95 SEP 01
(2)	Bas		
	(a)		NO
	(p)	Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	480
	(b)	All Other Design Costs	600
	(c)	Total	1080
	(d)	Contract	680
	(e)	In-house	400
(4)	Cons	struction Start	96 JUN
Equipme	ent a	associated with this project will be provided f	rom
	opria	ations: N/A	
her appr			

1. COMPONENT									2.	DATE
	F	Y 1996 MILITARY (	CONSTRU	CTION	N PR	OJECT	DAT	A		
AIR FORCE		(comput	er gen	erate	ed)					
3. INSTALLATI	ON AN	D LOCATION		4.	PRO	JECT '	TITL:	E		
				WAS	STEW	ATER S	TREA'	TMENT	ANI	D
		FORCE BASE, IDAHO				AL PL	TNA			
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PR	OJECI	UN T	MBER	8.	PROJEC	T (	COST (\$000
		'								
2.74.56C		831-165		ZH963			<u> </u>			9,850
		9. cos	T ESTI	ATES	3	1				
					•			UNIT		COST
11 (000) 11 (000)		ITEM	<del></del>			QUAN	CITY	COST	<u>'</u>	(\$000)
		NT AND DISPOSAL F	LANT	1	LS					6,858
SUPPORTING FA	CILIT	IES		1						1,980
UTILITIES				3	LS					( 200
PAVEMENTS	m			- 1	LS					( 125
PRETREATMEN	-	IC AND OCH MANITAT	c	1	LS LS			:		(1,450
SUBTOTAL	KAINII	NG AND O&M MANUAL	.5		LS	,				(
CONTINGENCY (	591					'	i			8,838
OTAL CONTRAC		r								442
		CTION AND OVERHEA	D (6%)							9,280 557
OTAL REQUEST		JIION IND GVENNER	D (00)						,	9,837
OTAL REQUEST		NDED )								9,850
	,									9,050
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10. Description of Proposed Construction: Construct a 0.85 million gallon per day (MGD) wastewater treatment plant to provide advance wastewater treatment and sludge disposal. Provide construction, operation and discharge permits, operations and maintenance (O&M) manuals and a one year start-up contract.

11. REQUIREMENT: As required.

PROJECT: Construct a wastewater treatment and disposal plant.(Current
Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. current wastewater system does not provide the level of treatment required to maintain regulatory compliance. The proposed wastewater treatment plant will provide advance treatment to meet local, state and federal water pollution control and Resource Conservation and Recovery Act (RCRA) requirements. Pretreatment facilities will be constructed upstream of the new wastewater treatment plant to protect the wastewater treatment plant from the discharge of heavy metals and toxic organics in excess of the limits established by the Clean Water Act (CWA) and RCRA regulations. CURRENT SITUATION: Mt Home AFB is on EPA's National Priority List. Domestic and industrial wastewaters are being treated on base in unpermitted lagoons. These lagoons were partially constructed over abandoned sanitary landfill trenches. The base does not have a state of Idaho land application permit. A 1989 utilities survey estimated that the percolation rate of the existing lagoons is on the order of 0.40 to 0.45 in/day. The state of Idaho leakage standard for existing lagoons is a maximum of 0.125 in/day. During the winter, water inflow into the lagoons exceeds water outflow through percolation/evaporation. The lagoons gradually fill up. In the spring the lagoons are drawn down by pumping

	1. COMPONENT	BV 1006 VII III 100		2. D.	ATE
١		FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	1	
1	AIR FORCE	(computer generated)		ı	
ı	3. INSTALLAT	ON AND LOCATION			
ı					
l	MOUNTAIN HOME	AIR FORCE BASE, IDAHO			
l	4. PROJECT TI	TLE	5.	PROJECT	NUMBER
			[		
Ľ	WASTEWATER TR	EATMENT AND DISPOSAL PLANT	1	OYZH9630	105

the wastewater from the lagoons into three infiltration basins until the percolation/evaporation rate of the lagoons once again exceeds inflow and the annual cycle repeats itself. Mt Home AFB has little control over operational parameters of the current treatment system and cannot control or contain prohibited material from reaching the environment.

IMPACT IF NOT PROVIDED: Continued operation of the base's existing unlined lagoons can result in enforcement actions by the state and the Environmental Protection Agency (EPA) under either the solid and hazardous waste regulations or ground water protection regulations. Continued violations may result in fines and penalties up to \$25,000 per day per violation.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

FY 1996 MILITARY CONSTRUCTION PROJECT DAY	
	ra a
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
MOUNTAIN HOME AIR FORCE BASE, IDAHO 4. PROJECT TITLE	5. PROJECT NUMBER
. PROJECT TITLE	5. PROJECT NUMBER
WASTEWATER TREATMENT AND DISPOSAL PLANT	QYZH963005
12. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	94 · APR. 17
(b) Parametric Cost Estimates used to develop	
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 AUG 30
(e) Date Design Complete	95 AUG 15
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	400
(b) All Other Design Costs	410
(c) Total	810
(d) Contract	600
(e) In-house	210
(4) Construction Start	96 JAN
. Equipment associated with this project will be provide	ed from
ther appropriations: N/A	

1. COMPONENT							2	. DAT	re
	1996 MILITA	ARY CO puter (			PROGI	RAM			
AIR FORCE		bucer (	<del>†                                      </del>	DMMAND				N D E	EA CONST
3. INSTALLATION AND L	OCATION		i				3		
				MOBILI	TY				T INDEX
SCOTT AIR FORCE BASE,			COMM						14
6. PERSONNEL	PERMANI	ENT	S	CUDENT		1 .	PORTE		_
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF		CIV	
a. As of 30 SEP 94	2137 4237	2932				175		544	10,195
b. End FY 2000	1971 4101	2718				175	170	544	9,679
	7. INV	ENTORY	DATA	(\$000	)				
a. Total Acreage: (	3,337)								
b. Inventory Total As	Of: (30 SE	EP 94)					3-	41,08	39
c. Authorization Not	Yet In Inver	itory:						2,70	00
d. Authorization Requ		_	gram:					12,70	00
e. Authorization Incl		-		am:	(FY 1	.997)		-	0
f. Planned In Next Fo		_			,	,	٠	9,35	0
g. Remaining Deficien	_							98,70	
h. Grand Total:	4 *							54,53	
8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY 1	1996				-, -	
CATEGORY				<del>-</del>		COST	DE	SIGN	STATUS
	ECT TITLE			COPE		(\$000)		TART	CMPL
<u>CODE</u> <u>FROS</u>	ECT TITED		=	<u> </u>		(\$000)	- =	Initi	CITI II
721-312 DORMITORY				144	PN	8.000	SEI	94	MAY 95
724-417 GLOBAL REACH	DIANNING CE	משיינים			PN	4,700		94	
VISITING QU		MILK		00	IM	4,700	, 25,	. 94	00N 33
VISITING QU	ARIERS			TOTAL		12,700	-		
9a. Future Projects:	Included i	n the	Follo					7 \ NO	NE
9b. Future Projects:								/ 110	
113-321 APRONS	-/P					1,650	)		
721-312 ALTER DORMIT	OPV		_	-		2,950			
730-773 ADD TO CHAPE			1			1,250			
822-265 REPAIR STEAM		พร		5,000		3,500			
10. Mission or Major									
Transportation Comman		-	_					-/Air	1 i f+
Control Center; HQ Ai									
Agency; Air Weather S									
Center; an airlift wi									
squadron; an Air Force	-			_					
Force Materiel Command								_	
	us Communica	LIONS	Syste	ms PIC	ogran	OIIIC	e and	. a. 11	ajor
USAF medical center.		£0+ '	OCEN	dofic	!	00.			
11. Outstanding poll	ution and sa	rety (	(USH)	ueric:	Lenci	es:			
21								_	
a. Air pollution								0	
b. Water pollut								0	
c. Occupational	_	nealth	1:					0	
d. Other Environ	nmental:							0	

1. COMPONENT			2. DAT	.E
न ।	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA	
AIR FORCE	(comput	er generated)		
3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE	
SCOTT AIR FORCE BA	SE, ILLINOIS	DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST	(\$000)
4.18.96	721-312	VDYD973000	8,0	00

9. COST ESTIMATES

7. COST ESTIMA	153	·		
			UNIT	COST
ITEM -	U/M	QUANTITY	COST	(\$000)
DORMITORY (144 PN)				5,712
DORMITORY	SF	51,000	110	(5,610)
AUTOMATIC SPRINKLER PROTECTION	SF	51,000	2	( 102
SUPPORTING FACILITIES				1,500
UTILITIES	LS			( 650)
PAVEMENTS	LS			( 550)
SITE IMPROVEMENTS	LS			( 300)
SUBTOTAL	Ī			7,212
CONTINGENCY (5%)				361
TOTAL CONTRACT COST				7,573
SUPERVISION, INSPECTION AND OVERHEAD (6%)				454
TOTAL REQUEST		]		8,027
TOTAL REQUEST (ROUNDED)				8,000
	1 1			
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20			1	

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundry, storage and lounge areas, and all necessary support. Air Conditioning: 100 Tons. Grade Mix: 144 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 144 personnel: 144 El-E4, with a maximum utilization of 144 personnel. CURRENT SITUATION: Currently there are not enough adequate dormitories to meet the requirements of unaccompanied enlisted personnel at this installation. In addition to the personnel living in existing substandard facilities, there are currently in excess of 200 E-1 through E-4 enlisted personnel living off-base due to lack of on-base quarters. This project will significantly reduce this existing deficit and reduce the need for \$1.2 million payment of BAQ/VHA/BAS annually.

IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will have to continue living off-base resulting in excess of \$1.2 million payment of BAQ/VHA/BAS annually.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DAT		DATE
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION  SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE	5. PROJECT	r number
DORMITORY	VDYD97	3000

been prepared comparing alternatives of new construction or status quo (housing enlisted personnel off-base paying BAQ/VHA/BAS). Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT			2. DATE
T. COM ONDAY	FY 1996 MILITARY CONSTRUCTION PROJECT DA	מיד	Z. DAIE
AIR FORCE	(computer generated)	•••	
<del> </del>	ON AND LOCATION		
SCOTT AIR FOR	CE BASE, ILLINOIS		
4. PROJECT TI		5. PRO	JECT NUMBER
DORMITORY		VDY	2 <b>D</b> 973000
12. SUPPLEME	NTAL DATA:		
a Betimet	ad Basian Baka		
a. Estimat	ed Design Data:		
(1) St	atus:		
, ,	Date Design Started		94 SEP 01
	Parametric Cost Estimates used to develop	costs	74 BEF 01 Y
	Percent Complete as of Jan 1995		30%
	Date 35% Designed.		95 FEB 15
(e)	Date Design Complete		95 MAY 15
(2) Ba	sis:		
, ,	Standard or Definitive Design -		YES
	Where Design Was Most Recently Used -		SCOTT
	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	Production of Plans and Specifications		80
	All Other Design Costs		400
	Total		480
	Contract		415
(e)	In-house		65
(4) Co.	nstruction Start		96 MAR
b. Equipment	associated with this project will be provide	ed from	1
other appropr.			-
	·		

1. COMPONENT												2.	DATE
	F	<i>i</i> 19	96 MILITA	ARY C	canc	rruct	101	1 PR	OJECT	DAT	A		İ
AIR FORCE			( 00	mput	er c	gener	ate	ed)_					
3. INSTALLATI	ON ANI	LO	CATION				4.	PRO	JECT '	ri TL	E		
						1.	GLO	DBAL	REAC	H PL	ANNING	CI	ENTER
SCOTT AIR FOR	CE BAS	SE,	ILLINOIS				VIS	SITI	NG QU	ARTE	RS		
5. PROGRAM EL	EMENT	6.	CATEGORY	CODE	7.	PROJ	ECI	NU	MBER	8. 1	PROJEC	T (	COST(\$000)
4.18.96			724-417			VDYD	953	3019					4,700
			9.	cos:	r Es	'AMIT	TES	3					
							ı				UNIT		COST
		IT	EM					U/M	QUANT	TITY	COST		(\$000)
GLOBAL REACH	PLANN I	NG	CENTER VI	SITI	1G		İ						
QUARTERS (60 PN)						LS				- 1	3,210		
VISITING OFFICERS QUARTERS						SF	30,0	000	10	25	(3,150)		
AUTOMATIC SPRINKLER PROTECTION						SF	30,0	000		2	( 60)		
SUPPORTING FA	CILITI	ES					- 1						1,030

LS

LS

LS

SF

EΑ

51,000

80,000

10. Description of Proposed Construction: A two-story structure with reinforced concrete foundation and floor slab, masonry walls, and roof deck system, sprinkler protection, site improvements, and all necessary support. Includes demolition of two facilities and asbestos removal/disposal.

Air Conditioning: 65 Tons. Grade Mix: 60 04-010.

11. REQUIREMENT: 184 PN ADEQUATE: 124 PN SUBSTANDARD: 0
PROJECT: Construct a global reach planning center visiting quarters.
(Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) project. Adequate living quarters are required to accommodate TDY personnel at the Global Reach Planning Center. On-base quarters are essential to insure that the TDY personnel attending conferences at HQ AMC are provided an environment conducive to successful accomplishment of the increasingly complicated and important jobs these personnel must perform. Areas required include living, administrative, housekeeping, guest laundry, reception, and lobby. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990.

CURRENT SITUATION: The creation of HQ AMC at Scott AFB from the Military Airlift and Strategic Air Commands has generated an increase in TDYs to

CURRENT SITUATION: The creation of HQ AMC at Scott AFB from the Military Airlift and Strategic Air Commands has generated an increase in TDYs to Scott. Since the stand up of AMC on 1 Jun 93, the Headquarters has sponsored over 160 conferences. The larger conferences include over 225 participants. The existing VOQs cannot accommodate the high volume of visitors to USTRANSCOM, HQ AMC, and Air Force Command and Control Communication Computer Agency (AFC4A). In order to meet this requirement, an average of 100 off-base quarters are contracted each day, which cost approximately \$4,000 per day. The average distance to the off-base

190)

90)

210)

460)

80)

4,240

4,452

4,719

4,700

212

267

UTILITIES

**PAVEMENTS** 

ELEVATOR

TOTAL REQUEST

CONTINGENCY (5%)

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUBTOTAL

SITE IMPROVEMENTS

DEMOLITION/ASBESTOS REMOVAL/DISPOSAL

SUPERVISION, INSPECTION AND OVERHEAD (6%)

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
SCOTT AIR FORCE BASE, ILLINOIS	
4. PROJECT TITLE 5. 1	PROJECT NUMBER

quarters is eleven miles. Two substandard facilities totaling 51,000 SF will be demolished as a result of this project.

GLOBAL REACH PLANNING CENTER VISITING QUARTERS

IMPACT IF NOT PROVIDED: Personnel attending conferences at the Global Reach Planning Center will continue to be housed off-base at a cost of \$2,400 per day. Splitting up conference attendees/TDY personnel in separate on-base and/or off-base quarters will continue to greatly complicate planning and scheduling activities and increase logistical costs.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and contract quarters. Based on the net present value and benefits of the respective alternatives, new construction was found to be the most efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

VDYD953019

1. COMPONEN		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA
AIR FORCE	(computer generated)	
3. INSTALLA	TION AND LOCATION	
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4. PROJECT	DRCE BASE, ILLINOIS	5. PROJECT NUMBER
4. PRODECT	IILE	5. PROJECT NUMBER
GLOBAL REAC	PLANNING CENTER VISITING QUARTERS	VDYD953019
12. SUPPLE	ENTAL DATA:	
12. SUPPLE	ENIAL DAIA:	
a. Estima	ted Design Data:	
	•	
• •	tatus:	•
•	) Date Design Started	94 SEP 09
•	) Parametric Cost Estimates used to develop of	costs Y
•	) Percent Complete as of Jan 1995	35%
(0	) Date 35% Designed.	95 JAN 01
( 6	) Date Design Complete	95 JUN 16
(2) E	asis:	
( 8	) Standard or Definitive Design -	YES
(ì	) Where Design Was Most Recently Used -	MCCONNEL
(3)	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	) Production of Plans and Specifications	50
•	) All Other Design Costs	230
The state of the s	) Total	280
	) Contract	240
•	) In-house	40
(4) C	onstruction Start	96 MAR
. Equipmen	t associated with this project will be provide	d from

other appropriations: N/A

1. COMPONENT							2	. DAT	re
ATR DODGE	FY 1996 MILI				PROGI	RAM			
AIR FORCE		mputer o	<del></del>	MMAND		· · · · · · · · · · · · · · · · · · ·		7.01	EA CONS
3. INSTALLATION AND	LOCATION				nv.		3		EA CONS
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MCCONNELL AIR FORCE	PERMA			UDENT	-	CIIDI	PORTE		99
6. PERSONNEL STRENGTH	OFF ENL		<del></del>		civ	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	602 352		<del> </del>	ENL	CIV	2		148	
	589 321					2		148	
b. End FY 2000		VENTORY	<del> </del>	15000	<del></del>			140	4,14
a. Total Acreage:		VENTORI	DAIA	13000					
b. Inventory Total	•	SED 941					3.	20,09	1
c. Authorization No								20,05 10,55	
d. Authorization Re			aram.					9,45	
e. Authorization Re	-		_		/EV 1	10071		7,40	0
f. Planned In Next		_	FIOGI	an.	(11 1	1997)		31,50	-
<ol> <li>g. Remaining Defic:</li> </ol>	_	i icais.						55,40	
g. Remaining Delic. h. Grand Total:	rency.							26,99	
8. PROJECTS REQUES	דא דא דאו פיי	POGRAM	EV 1	996			7,	20,05	, <u> </u>
CATEGORY	IED IN INIS I	MOGMAN.				COST	חדי	STGN	STATUS
	ROJECT TITLE		S	COPE		(\$000)		TART	CMPL
<u></u>	CODOT TITE		=			1000		*****	9.11 5
141-753 KC-135 SQ	JADRON OPERAT	•		0,900	SF	6,100	וטע כ	N 94	MAR 9
		UNIT PA	J	60	DAT	2 20/	2 200	a 04	NUG O
721-312 ALTER DORM 831-157 DEICING PA			-			1,150			AUG 9 MAR 9
831-157 DEICING PA	AD.		_	TOTAL	-	9,45		L 94	MAR 3
9a. Future Project	te: Included	in the	F0116					7 \ NC	NE
9b. Future Project	ts: Tunical	Planned	Nevt	Four	Vear	2 ·	1 1 2 2	/ / NC	<u> </u>
111-111 UPGRADE RU		1 14	Nexe	rour .	LS	3,100	)		
610-128 MILITARY I		PORT	4	8,250		6,400			
CENTER				,		-,			
690-000 PROCUREMEN	NT FACILITY			8,000	SF	1,400	)		
740-675 CONSOLIDAT	TED EDUCATION	CENTER				5,000			
740-884 ADD TO ANI	ALTER CHILD	)		7,300		2,600			
DEVELOPMI	ENT CENTER			•					
10. Mission or Ma		: An a	ir ref	uelin	g wir	ng wit!	n fou	r KC-	-135
squadrons; and an A									
ll. Outstanding po									
a. Air pollut	tion:							(	)
b. Water pol.	lution:							1,000	)
c. Occupation	nal safety an	d healt!	h:					2,100	)
d. Other Envi	ironmental:							(	)
		•							

1. COMPONENT			2. DATE		
F	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA		
AIR FORCE	(comput	er generated)			
3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE		
		KC-135 SQUA	DRON OPERATIONS/		
MCCONNELL AIR FORCE BASE, KANSAS AIRCRAFT MAINTENANCE UNIT FAC					
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.12.18	141-753	PRQE963500	6,100		

9. COST ESTIMA	res			
			UNIT	COST
ITEM .	U/M	QUANTITY	COST	(\$000)
KC-135 SQUADRON OPERATIONS/ AIRCRAFT				
MAINTENANCE UNIT FACILITY	SF	40,900	115	4,704
SUPPORTING FACILITIES				775
UTILITIES	LS	ļ		( 290)
PAVEMENTS	LS			( 175)
SITE IMPROVEMENTS	LS			( 215)
ELEVATOR .	EA	' 1	95,000	( 95)
SUBTOTAL	-			5,479
CONTINGENCY (5%)				274
TOTAL CONTRACT COST				5,753
SUPERVISION, INSPECTION AND OVERHEAD (6%)		]		345
TOTAL REQUEST				6,098
TOTAL REQUEST (ROUNDED)				6,100
				0,200
				1
				I
				1

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, and necessary support.

Air Conditioning: 85 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of 18 additional KC-135s in the 2nd quarter of FY94. A total of 48 KC-135s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, technical order library, standardization/evaluation, life support, locker rooms, and scheduling. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC.

CURRENT SITUATION: Squadron operations and the aircraft maintenance units are dispersed among three severely undersized and physically separated facilities. These facilities have historically suffered overcrowding, a condition further exasperated with the beddown of additional KC-135s and

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS 5. PROJECT NUMBER 4. PROJECT TITLE

KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC

PRQE963500

the unification of the operators and maintainers. The physical separation creates fragmented lines of communications/authority. Aircrews and maintenance personnel spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. These facilities are inadequately sized and not properly configured to support requirements.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in scattered and undersized buildings and will never develop the cohesiveness and efficiency required by an operational organization. Full implementation of the more effective Objective Wing squadron and beddown of KC-135s will be degraded. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)  3. INSTALLATION AND LOCATION  MCCONNELL AIR FORCE BASE, KANSAS  4. PROJECT TITLE  S. PROJECT NUMBER  KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  94 OCT 07 (e) Date Design Complete  (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (a) Standard or Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  96 FEB  2. Equipment associated with this project will be provided from other appropriations: N/A
3. INSTALLATION AND LOCATION  MCCONNELL AIR FORCE BASE, KANSAS  4. PROJECT TITLE  CC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC  PROEP63500  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  94 JUN 01 (5) Percent Complete as of Jan 1995 (65% (d) Date 35% Designed. (e) Date Design Complete  95 MAR 17  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (s) O00 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  PROE963500  5. PROJECT NUMBER PROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  5. PROJECT NUMBER FROE963500  6. PROE963500  6. SPROE963500  6. PROE963500  6. PROE963500  6. SPROE966350  6. SPROE96350  6. SPROE9635
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C-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (5) All Other Design Costs (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from
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(b) Where Design Was Most Recently Used - TRAVIS  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 287 (b) All Other Design Costs 134 (c) Total 421 (d) Contract 2 (e) In-house 419  (4) Construction Start 96 FEB
(3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from
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(a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from
(c) Total (d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from
(d) Contract (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from
(4) Construction Start 96 FEB  Equipment associated with this project will be provided from
(4) Construction Start 96 FEB  Equipment associated with this project will be provided from
Equipment associated with this project will be provided from
Equipment associated with this project will be provided from
Equipment associated with this project will be provided from her appropriations: N/A
Equipment associated with this project will be provided from her appropriations: N/A
Equipment associated with this project will be provided from the appropriations: N/A
The appropriations. N/A

1. COMPONENT	T. M	A444	2. DATE		
	FY 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA		
AIR FORCE	(compute	er generated)			
3. INSTALLATION	AND LOCATION	4. PROJECT T	TITLE		
MCCONNELL AIR FORCE BASE, KANSAS ALTER DORMITORY					
5. PROGRAM ELEME	NT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	PRQE970014	2,200		
9. COST ESTIMATES					

3. 0001 E0121211				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORY (62 PN)	ĺ			1,562
ALTERATION	SF	25,200	60	(1,512)
AUTOMATIC SPRINKLER PROTECTION	SF	25,200	2	( 50)
SUPPORTING FACILITIES :				345
UTILITIES	LS			( 125)
PAVEMENTS	LS			( 100)
SITE IMPROVEMENTS	LS			( 75)
ASBESTOS ABATEMENT	LS			( 45)
SUBTOTAL				1,907
CONTINGENCY (10%)				191
TOTAL CONTRACT COST				2,098
SUPERVISION, INSPECTION AND OVERHEAD (6%)				126
TOTAL REQUEST				2,224
TOTAL REQUEST (ROUNDED)		<b>!</b>		2,200
	}			·

Description of Proposed Construction: Alter a three-story dormitory. Includes upgrading the mechanical and electrical system, interior finishes, installation of individual storage lockers, converting flat roof to a sloped roof, providing game/lounge rooms, laundry rooms, site improvements, asbestos abatement, and necessary support.

Air Conditioning: 50 Tons. Grade Mix: 62 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 62 personnel: 62 E1-E4, with a maximum utilization of 62 personnel.

CURRENT SITUATION: The facility to be upgraded was constructed in 1970. Inefficiencies include inadequate lighting, poor insulation and sound attenuation, and obsolete electrical and mechanical systems. No major maintenance, repairs or improvements have been made to the interior finishes since the facility was constructed 24 years ago.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION A	AND LOCATION	
MCCONNELL AIR FOR	RCE BASE, KANSAS	
4. PROJECT TITLE	5.	PROJECT NUMBER
ALTER DORMITORY		PROF970014

revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost effective over the life of the project. Fire protection system for this project meets new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT	TA	2. DATE								
AIR FORCE (computer generated)										
3. INSTALLATI	ON AND LOCATION									
4. PROJECT TI	FORCE BASE, KANSAS	1								
4. PROJECT TI	TPE	5. PRC	DJECT NUMBER							
ALTER DORMITC	PRY	PRC	PRQE970014							
		1 1,7	20014							
12. SUPPLEME	NTAL DATA:									
a. Estimat	ed Design Data:									
(1) St	3+113+									
, ,	Date Design Started		94 AUG 19							
	Parametric Cost Estimates used to develop of	costs	y Aug 19							
	Percent Complete as of Jan 1995		35%							
	Date 35% Designed.		94 OCT 14							
(e)	Date Design Complete		95 AUG 17							
(2) Ba	sis:									
, ,	Standard or Definitive Design -		NO							
1	Where Design Was Most Recently Used -		N/A							
			•., ••							
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)							
	Production of Plans and Specifications		130							
	All Other Design Costs		120							
1 1	Total		250							
1	Contract In-house		200							
(e)	In-nouse		50							
(4) Cor	nstruction Start		96 MAR							
b. Equipment	associated with this project will be provide	A 6								
other appropri		u irom								
	··································									

Page No

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

MCCONNELL AIR FORCE BASE, KANSAS

DEICING PAD

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

4.18.56	831-157		1,150							
9. COST ESTIMATES										
					UNIT	COST				
	ITEM		ש/ט	QUANTITY	COST	(\$000)				
DEICING PAD			SY	11,000	62	682				
SUPPORTING FACILITY	IES					360				
UTILITIES		LS			( 10)					
PAVEMENTS			LS			( 325)				
SITE IMPROVEMENTS	S		LS		}	(25)				
SUBTOTAL						1,042				
CONTINGENCY (5%)				•		52				
TOTAL CONTRACT COST	r				•	1,094				
SUPERVISION, INSPEC	CTION AND OVERHEAD	0 (6%)				66				
TOTAL REQUEST						1,160				
TOTAL REQUEST (ROU	NDED)					1,150				
						·				
					i					
		}			ļ					

10. Description of Proposed Construction: Provide facilities to deice aircraft and recover, recycle, and dispose of the used deicing fluid. Includes sloped pad to drain to center catch basin, pumps to a storage tank, and necessary support.

11. REQUIREMENT: 1 SY ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct a deicing pad. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Construction of an aircraft deicing chemical recovery facility will provide a centralized deicing location for the aircraft and a means to recover the used deicing fluid. This will prevent the deicing fluid from being released into the waterways of the base which would violate the Kansas Department of Health and Environment (KDHE) limit of seven mg/L for propylene glycol and prevent the inevitable Notice of Violation. CURRENT SITUATION: During deicing operations, a section of the ramp is closed to other aircraft traffic, a trench drain serving the area is blocked, and deicing fluid is pumped out of the trench. A pavement sweeper is also used to recover the surface fluid which does not enter the trench. The used deicer chemical is disposed of through Defense Reutilization and Marketing Office. Aircraft deicing operations in 1991 resulted in excess levels of propylene glycol in the waterways flowing off base One sample indicated a level of 293 mg/L. Excessive levels of propylene glycol severely impacted the waterways, resulting in strong odors from the creek, complaints from residents near the creek, investigation by KDHE and the Environmental Protection Agency, and the issuance of a 7 mg/L limit on the propylene glycol levels in waterways flowing off base. A Notice of Violation has been issued but action by the KDHE is being held in abeyance as a result of programming this project in

	1. COMPONENT			2. DF	ATE
	FY 19	996 MILITARY CONSTRUCTION PROJECT DAT	ΓA		
	AIR FORCE	(computer generated)			
	3. INSTALLATION AND LO	OCATION		<del>*</del>	
j	MCCONNELL AIR FORCE BA	ASE, KANSAS			
	4. PROJECT TITLE		5. PR	OJECT	NUMBER
I					
ı	DEICING PAD		DD	089650	119

## FY96.

IMPACT IF NOT PROVIDED: Substantial reduction in flying operations during weather that requires deicing. Additionally, the base will be subject to Notice of Violation for exceeding the propylene glycol limits, substantial monetary penalities, further complaints and/or lawsuits from nearby residents, and cessation of flying operations pending compliance.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995  (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	1. COMPONE	ENT			2. DATE
3. INSTALLATION AND LOCATION  MCCONNELL AIR FORCE BASE, KANSAS  4. PROJECT TITLE  DETICING PAD  12. SUPPLEMENTAL DATA:  (a) Date Design Data:  (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995  (d) Date 35% Designed. (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house				ATA	
MCCONNELL AIR FORCE BASE, KANSAS  4. PROJECT TITLE  DEICING PAD  12. SUPPLEMENTAL DATA:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (b) All Other Design Costs (c) Total (d) Contract (e) In-house  1. PROJECT NUMBE  5. PROJECT NUMBE  94 JUL 2  94 JUL 2  95 MAR 0  96 JUL 2  97 JUL 2  98 JUL 2  98 JUL 2  99 JUL 2  99 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  91 JUL 2  92 JUL 2  93 JUL 2  94 JUL 2  95 JUL 2  96 JUL 2  97 JUL 2  98 JUL 2  99 JUL 2  99 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  90 JUL 2  91 JUL 2  91 JUL 2  92 JUL 2  93 JUL 2  94 JUL 2  95 JUL 2  96 JUL 2  96 JUL 2  97 JUL 2  98 J					<u> </u>
4. PROJECT TITLE  DEICING PAD  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995  (d) Date 35% Designed. (e) Date Design Complete  95 MAR Complete  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	3. INSTALI	OITAL	ON AND LOCATION		
## PROJECT TITLE   5. PROJECT NUMBER			Tonal Brazilla		
DEICING PAD  PRQE965019  1.2. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:     (a) Date Design Started				J	
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	PROJECT	r TIT	LE	5. PR	OJECT NUMBER
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(1) Status:  (a) Date Design Started  (b) Parametric Cost Estimates used to develop costs  (c) Percent Complete as of Jan 1995  (d) Date 35% Designed.  (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house	2. SUPPL	'ELIEI	TAL DATA:		
(1) Status:  (a) Date Design Started  (b) Parametric Cost Estimates used to develop costs  (c) Percent Complete as of Jan 1995  (d) Date 35% Designed.  (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house	a Teti	mato	nd Dosian Data:		
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR C  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	d. Dati	illa ce	d Design Data:		
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR C  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	(1)	Sta	itus:		
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(d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  94 OCT Contract 95 MAR Contract 95 MAR Contract 95 MAR Contract 95 MAR Contract 96 N/A		, ,	<del></del>	costs	Y
(e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design - NO  (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00  (a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house		(c)	Percent Complete as of Jan 1995		40%
(2) Basis:  (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house		(d)	Date 35% Designed.		94 OCT 05
(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house		(e)	Date Design Complete		95 MAR 08
(b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	(2)	Bas	is:		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house		(a)	Standard or Definitive Design -		ИО
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house		(b)	Where Design Was Most Recently Used -		N/A
(b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house	(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(c) Total 10 (d) Contract 9 (e) In-house 1		(a)	Production of Plans and Specifications		60
(d) Contract (e) In-house 1					40
(e) In-house					100
		(d)	Contract		90
(4) Construction Start 96 JF		(e)	In-house		10
	(4)	Con	struction Start		96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT										2. DA	TE
AIR FORCE	FY	1996		ARY CO puter (	_		PROGI	RAM			
				pacer .	-					5 AD	EA CONST
3. INSTALLAT			M		4. 00	DMMAND					
BARKSDALE AIR	R FORCE BA	ASE,									ST INDEX
LOUISIANA AIR COMBAT COMMAND 0.84											
6. PERSONNEL PERMANENT STUDENTS SUPPORTED											
STRENGTH	1	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	CIV	TOTAL
a. As of 30 S	ED OA	934	4925	1267		132	1	3		5 15	7,282
1		1	4852		1	132	1 :			5 15	1
b. End FY 200	10									<u> </u>	0,332
				ENTORY	DATA	(\$000	)				· · · · · · · · · · · · · · · · · · ·
a. Total Acre		22,3									
b. Inventory	Total As	Of:	(30 SI	EP 94)						236,0	
c. Authorizat	ion Not Y	et In	Inver	ntory:						50,68	
d. Authorizat	ion Reque	sted	In Thi	is Pro	gram:					. 2,50	00
e. Authorizat	ion Inclu	ided I	n Foll	lowing	Progr	am:	(FY 1	1997)		3,60	00 ,
f. Planned Ir					_	:				5,7	50
g. Remaining			9							109,10	00
h. Grand Tota		.у.								407,7	
		TAL TIL	TC DD	CDAM.	FY 3	996				10.,,.	
8. PROJECTS F	GOESTED	IN In	15 PK	JGRAM:	FI 1	1990		cosi	, ,	FCTCN	CHARITE
CATEGORY					_				_		STATUS
CODE	PROJE	CT TI	TLE		2	COPE		(\$000	<u>')</u>	START	CMPL
171-211 B-52	TRAINING	COMP	LEX				LS _	2,50	<u>10</u> 3	UL 94	APR 95
						TOTAL		2,50			
9a. Future P	rojects:	Incl	uded :	in the	Follo	wing 1	Progr	am (F	Y 19	97)	
131-111 COMM	-					5,000					
	ADRON COM										
831-155 INDU			TER				LS	1,00	00		
l	TREATMENT			2							
PRE	IKEAIMENI	FACI	111111	,		TOTAL		3,60	10		
	<del></del>			\	32						
	rojects:										
740-674 PHYS					]	18,200					
871-183 ADD	TO AND AL	TER S	TORM				LS	3,30	00		
	INAGE FAC										
10. Mission	or Major	Funct	ions:	Head	quarte	ers Eig	ghth	Air F	orce	e; a f	lying
wing with thr	ee B-52 s	guadr	ons, d	one of	which	is re	espor	nsible	for	train	ning
B-52 aircrews	: and an	Air F	orce E	Reserve	e wind	with	an A	A/OA-1	lO an	id B-5	2
squadron.	,	<b>-</b> -						•			
	ing pollu	tion	and sa	fetv	(OSH)	defic	ienci	les:			
11. Outstanding pollution and safety (OSH) deficiencies:											
										3,00	0
	pollution										
	r polluti									3,49	
	pational		_	healt	n:						0
d. Othe	r Environ	menta	1:							1	0

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONS	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	
BARKSDALE AIR	FORCE BASE, LOUISIANA	B-52 TRAINING COMPL	EX
5. PROGRAM EL	EMENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJ	ECT COST(\$000)

AWUB962309

•					2,00	, •	ł
	9. COST E	STIMATES					Ì
				UNIT	CO	ST	Ī
_	ITEM	א/ט	QUANTITY	COST	(\$0	000)	l
	B-52 TRAINING COMPLEX	SF	67,000		1	,900	Γ
	MUNITIONS ASSEMBLY AREA	SF	50,000	7	(	350)	
	ABOVE GROUND MAGAZINE	SF	5,000	120	(	600)	l
	MUNITIONS MAINTENANCE FACILITY	SF	2,000	200	(	400)	
	RENOVATE ACADEMIC FACILITY	SF	10,000	55	(	550)	
	SUPPORTING FACILITIES			,	·	350	
	UTILITIES	LS			(	150)	ĺ
	PAVEMENTS	LS	·		i	100)	ĺ
	SITE IMPROVEMENTS	Ls			i	100)	ĺ
ĺ	SUBTOTAL				\ <u>2</u>	,250	
	CONTINGENCY (5%)					113	
	TOTAL CONTRACT COST				2	,363	İ

- Description of Proposed Construction: Reinforced concrete foundations for several facilities, concrete paved bomb assembly area, metal walls with maintenance free exterior, insulated roof, renovate facility for academic training, and all necessary support. Air Conditioning: 40 Tons.
- 11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

1.18.97

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

PROJECT: Construct a B-52 Training Complex. (New Mission)

171-211

REQUIREMENT: This project is part of a HQ ACC initiative to consolidate all B-52 crew training at one location. The base requires these facilities to perform its strategic bomber training mission. Special conference/vault areas are required to conduct secret cleared briefings. Additional munitions facilities are required to store and generate weapons to support training missions. Renovation of an existing facility is required to provide sufficient classroom, conference areas, and laboratories.

CURRENT SITUATION: Current facilities are already dedicated towards supporting existing mission requirements. Facilities to support the academic requirement are available, however they need to be converted into conference/classroom configurations. In addition, security restrictions require special conference/vault areas.

IMPACT IF NOT PROVIDED: The strategic mission training program will not be administered. Bomber crew members will not be provided the training and experience necessary to insure mission success. Sufficient munitions facilities are absolutely essential to support the mission of the formal training program.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However,

2,500

2,363

2,505

2,500

142

	1. COMPONENT				2. D	ATE
		FY 1996 MILITARY	CONSTRUCTION PROJECT DA	TA		
	AIR FORCE	(compu	ter generated)			
	3. INSTALLAT	ON AND LOCATION				
		·				
	BARKSDALE AII	FORCE BASE, LOUISIAN	Α			
	4. PROJECT T	TLE		5. PR	OJECT	NUMBER
١	B-52 TRAINING	COMPLEX		AW	UB9623	309

this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. New Construction is the only option that can meet mission requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared.

ARKSDALE AS PROJECT STATEMENT OF THE PROJECT STATEMENT STATEM		5. PROJECT NUMBER AWUB962309
ARKSDALE A: PROJECT TO THE SUPPLEM  a. Estima  (1) S  (4) (6) (6)	R FORCE BASE, LOUISIANA ITLE  G COMPLEX  ENTAL DATA:  ted Design Data:  tatus: ) Date Design Started ) Parametric Cost Estimates used to develop co	AWUB962309
ARKSDALE AS PROJECT STATEMENT OF THE PROJECT STATEMENT STATEM	R FORCE BASE, LOUISIANA  ITLE  G COMPLEX  ENTAL DATA:  ted Design Data:  tatus: ) Date Design Started ) Parametric Cost Estimates used to develop co	AWUB962309
-52 TRAININ 2. SUPPLEM a. Estima (1) S (4) (5)	ITLE  G COMPLEX  ENTAL DATA:  ted Design Data:  tatus:  ) Date Design Started  ) Parametric Cost Estimates used to develop co	AWUB962309
a. Estima (1) S (4) (6) (6)	G COMPLEX  ENTAL DATA:  ted Design Data:  tatus:  ) Date Design Started  ) Parametric Cost Estimates used to develop co	AWUB962309
2. SUPPLEM  a. Estima  (1) 5  (4)  (5)  (6)	ENTAL DATA:  ted Design Data:  tatus: ) Date Design Started ) Parametric Cost Estimates used to develop co	
2. SUPPLEM  a. Estima  (1) 5  (4)  (5)  (6)	ENTAL DATA:  ted Design Data:  tatus: ) Date Design Started ) Parametric Cost Estimates used to develop co	
a. Estima (1) S (a (b) (c) (c)	ted Design Data: tatus: ) Date Design Started ) Parametric Cost Estimates used to develop co	94 JUL 15
(1) S (2) (4) (5) (6)	tatus: ) Date Design Started ) Parametric Cost Estimates used to develop co	94 JUL 15
(	<ul><li>Date Design Started</li><li>Parametric Cost Estimates used to develop co</li></ul>	94 JUL 15
(	<ul><li>Date Design Started</li><li>Parametric Cost Estimates used to develop co</li></ul>	94 JUL 15
( c ( c		
( c ( c		osts
(€	, 10100H2 00H210H2 41 04 04H 1999	35%
·	) Date 35% Designed.	94 AUG 31
	) Date Design Complete	95 APR 01
(2) F	asis:	
( ह	) Standard or Definitive Design -	NO
(t	) Where Design Was Most Recently Used -	N/A
(3) 1	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	) Production of Plans and Specifications	110
(t	) All Other Design Costs	100
( c	) Total	210
•	) Contract	160
(e	In-house	50
(4) C	onstruction Start	96 JAN
Equipmen her approp	associated with this project will be provided intions: N/A	d from
		,

1. COMPONENT		<del></del>						2. DAT	re
AIR FORCE	1996 MILITA	RY CO			PROGI	MAS			
3. INSTALLATION AND LO		,ucci ,	<del></del>	DMMAND	<del>~~~</del>			5 ADE	A CONST
3. INSTALLATION AND L	OCATION		ļ	OBILI'					
NEEDENG ALE BORGE BAG					11				T INDEX
ANDREWS AIR FORCE BASI	Tariti		COMM						03
6. PERSONNEL	PERMANE			UDENT			PORT		
STRENGTH				ENL	CIV	OFF		CIV	
	1133 4267		t I			151		35   275	, i
b. End FY 2000	1116 4229	2107				151	118	35 275	9,063
	7. INVE	NTORY	DATA	(\$000	)				
a. Total Acreage: (	7,489)								İ
b. Inventory Total As	Of: (30 SE	P 94)						380,93	0
c. Authorization Not	Yet In Inven	tory:						21,64	0
d. Authorization Reque	ested In Thi	s Prod	gram:					12,88	II.
e. Authorization Incl				am:	(FY 1	9971		8,70	
f. Planned In Next For		-	5-			,		39,30	
g. Remaining Deficiend	_							80,20	
h. Grand Total:	-1.							543,65	
8. PROJECTS REQUESTED	חמת פועד ווד	CDAM.	FY 1	996				343,03	-
CATEGORY	IN IIIIS PRO	GIAM.	rı ı	. 5 5 0		COCE	_	DOTON	CM2 my c
	OT THE		_	CODE		COST	_	ESIGN	
<u>CODE</u> <u>PROJE</u>	ECT TITLE		5	COPE		(\$000	7	START	CMPL
411 125 (WEEDS BOWNS )		<b></b>							
411-135 UNDERGROUND F	TUEL STORAGE	TANKS	•						SEP 95
721-312 DORMITORY					_	6,00	_	UL 94	JUN 95
				TOTAL:		12,88			
9a. Future Projects:		n the	Follo	_	_			97)	
721-312 ALTER DORMITO	DRIES					8,70	_		
			******	TOTAL:		8,70	0		
9b. Future Projects:			Next	Four Y	ears				
121-122 REPAIR HYDRAN					LS	- •	0		
141-784 ADD TO AND AL TERMINAL/BAS	<del>-</del>		2	6,000	SF	3,95	0		
411-135 IMPROVE JET F					LS	8,25	0		
610-287 REPAIR SPECIF					LS	4,00			
740-884 CHILD DEVELOP						4,50			
10. Mission or Major								adrons	that
perform Presidential s				_			-		
C-21, C-137, and VC-25									
C-141 squadron; Air Na									
C-21/C-22 airlift squa									
center.	.GIOII; ANG RE	sauthe	SS CE	ncer;	anu	ינ אווו א	or u	SAF Med	dical
	*:	C - + /	00111	J . 6' - '					
11. Outstanding pollu	cion and sai	rety (	OSH)	aerici	.encı	es:			-
a. Air pollution	:							0	
b. Water polluti		,						0	
c. Occupational		nealth	•					1,800	
d. Other Environ			-					0	
a. Comer Environ								J	

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONS	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATIO	N AND LOCATION	4. PROJECT TITLE	

ANDREWS AIR FORCE BASE, MARYLAND

UNDERGROUND FUEL STORAGE TANKS

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

4.18.56 411-135 AJXF963100 6,886

9. COST ESTIMATES

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	א/ט	QUANTITY	COST	(\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	88		5,706
UPGRADE UNDERGROUND STORAGE TANKS	EA	6	52,000	( 312)
UNDERGROUND STORAGE TANKS	EA	24	134,000	(3,216)
ABOVEGROUND STORAGE TANKS	EA	17	63,000	(1,071)
TANK REMOVAL/DISPOSAL	EA	41	27,000	(1,107)
SUPPORTING FACILITIES		1		200
UTILITIES	LS	•		( 110)
SITE IMPROVEMENTS	LS			(90)
SUBTOTAL				5,906
CONTINGENCY (10%)				591
TOTAL CONTRACT COST	İ			6,497
SUPERVISION, INSPECTION AND OVERHEAD (6%)				390
TOTAL REQUEST				6,887
TOTAL REQUEST (ROUNDED)	1	;		6,886
				j
				1

- 10. Description of Proposed Construction: Remove 41 underground storage tanks, upgrade 6 underground storage tanks, install 24 new underground storage tanks and 17 new aboveground storage tanks (ASTs). Work includes providing leak detection, corrosion protection and spill/overflow prevention systems, screen filters, site work, utilities and necessary support.
- 11. REQUIREMENT: As required.

PROJECT: Remove, replace, and upgrade underground fuel storage tanks.
(Current Mission)

REQUIREMENT: This is a Level II environmental compliance project. This project is required to upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by December 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection and corrosion protection, and all ASTs to have spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible.

CURRENT SITUATION: The underground fuel tanks at Andrews AFB do not meet federal law (40 CFR 280) and state requirements for leak detection and cathodic protection. All of the regulated USTs require annual integrity (tightness) testing, daily fluid level monitoring and monthly inventory reconciliation and control. The existing deficiencies must be corrected by December 1998 to prevent violation of federal regulation.

IMPACT IF NOT PROVIDED: Failure to bring the USTs into environmental compliance will result in Andrews AFB receiving a Notice of Violation (NOV) from the EPA. This will ultimately result in fines and unfavorable publicity for the Air Force and DoD. All tanks must meet regulations or

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DAT  AIR FORCE (computer generated)	2. DATE					
3. INSTALLATION AND LOCATION  ANDREWS AIR FORCE BASE, MARYLAND						
4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER AJXF963100					

be permanently closed. The absence of sufficient fuel storage due to mandatory tank closure would seriously jeopardize the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies regulatory and operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONE		2. DATE
AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
	(computer generated) ATION AND LOCATION	<u> </u>
J. 1	ation and bounton	
ANDREWS AI	R FORCE BASE, MARYLAND	
. PROJECT	TITLE 5. PR	OJECT NUMBER
INDERGROUN	D FUEL STORAGE TANKS AJ	XF963100
2. SUPPL	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	Status:	
	(a) Date Design Started	94 AUG 26
	(b) Parametric Cost Estimates used to develop costs	Y
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	94 OCT 12
	(e) Date Design Complete	95 SEP 01
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	410
	(b) All Other Design Costs	390
	c) Total	800
	d) Contract	600
	e) In-house	200
(4)	Construction Start	96 APR
. Equipme	ent associated with this project will be provided from	n
appro	priations: N/A	

1. COMPONENT				2. DATE
	FY 1	996 MILITARY CONSTRUCTI	ON PROJECT DATA	
AIR FORCE		(computer genera	ited)	
3. INSTALLATI	ON AND L	OCATION 4	. PROJECT TITLE	-

DORMITORY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

4.18.96 721-312 AJXF963006 6,000

9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
ITEM  DORMITORY (108 PN)  DORMITORY  AUTOMATIC SPRINKLER PROTECTION  SUPPORTING FACILITIES :  UTILITIES  PAVEMENTS  SITE IMPROVEMENTS  DEMOLITION/ASBESTOS REMOVAL/DISPOSAL  SUBTOTAL  CONTINGENCY (5%)  TOTAL CONTRACT COST	U/M SF SF LS LS SF	38,300 38,300 67,500	100 2	3,907		
SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)				341 6,018 6,000		

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundry, storage, and lounge areas, demolition of five dorms and all necessary support.

Air Conditioning: 80 Tons. Grade Mix: 108 E1-E4.

11. REQUIREMENT: As required.

ANDREWS AIR FORCE BASE, MARYLAND

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 108 personnel: 108 E1-E4, with a maximum utilization of 108 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this installation. Existing substandard facilities with interior hallways and central latrines do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient room-to-room noise attenuation to adequately house enlisted personnel. This project for 192 personnel allows for the demolition of five small disfunctional, and substandard dormitories totalling 67,500 square feet. These five substandard facilities currently house 140 personnel who will be relocated to the new dormitory. To further reduce the substandard condition, an alteration project for two dormitories is programmed in FY97.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
ANDREWS AIR F	ORCE BASE, MARYLAND	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
DORMITORY		A.TYE963006

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. Excessive energy consumption and maintenance costs will continue to prevail if these inefficient and substandard dormitories remain in use.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending enlisted personnel off base paying BAQ/VHA and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

1. COMPONEN	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ጥል	2. DATE
AIR FORCE	(computer generated)	ın.	
	TION AND LOCATION		
	FORCE BASE, MARYLAND	T	
4. PROJECT	TITLE	5. PRO	DJECT NUMBER
DORMITORY		AJ	(F963006
12. SUPPLE	ENTAL DATA:		
12. SUPPLE	ENTAL DATA:		
a. Estima	ted Design Data:		
(1)	tatus:		
•	) Date Design Started		94 JUL 18
	) Parametric Cost Estimates used to develop	costs	Y
	e) Percent Complete as of Jan 1995		50%
	) Date 35% Designed.		94 OCT 15
( €	) Date Design Complete		95 JUN 15
(2) E	asis:		
• •	) Standard or Definitive Design -		YES
	) Where Design Was Most Recently Used -		ANDREWS
(3)	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
( a	) Production of Plans and Specifications		80
(t	) All Other Design Costs		389
( <	) Total		469
( c	) Contract		404
(∈	) In-house		65
(4) C	onstruction Start		95 DEC
o. Equipmen	t associated with this project will be provide	ed from	
ther approp			

L. COMPONENT			·				2	. DAT	TE.
	1996 MILIT				PROGE	MAS			
AIR FORCE		puter o	7					N D E	EA CONS
3. INSTALLATION AND I	OCATION			DIAMMO	TON		٦		
				DUCAT		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			T INDE
COLUMBUS AIR FORCE BA				RAINI			PORTE		19
5. PERSONNEL	PERMAN		ļ	UDENT	.,			CIV	TOTAL
STRENGTH	OFF ENL		+	FINL	CIV	OFF	<u> </u>		
. As of 30 SEP 94	374 777	1	132			i			1,64
. End FY 2000	378 535		<del></del>	46000	<del> </del>		5	13	1,30
		ENTORY	DATA	(\$000	<u> </u>				
. Total Acreage: (							4	20 00	
. Inventory Total As								20,89	
. Authorization Not								16,10	
l. Authorization Requ					/mw 1	0071		1,15	
Authorization Incl			Progr	am:	(FI 1	. 991)		15,05	0
Planned In Next Fo		rears:		•				20,65	
g. Remaining Deficier	icy:								
. Grand Total:	TN MUTC DE	OCDAN.	EV 1	906				73,84	:5
. PROJECTS REQUESTED	) IN THIS PR	OGRAM:	ri 1	. 550		cosī	ם ח	CTCN	STATUS
CATEGORY	TE/OM MIMIE			COPE		(\$000		TART	CMPL
CODE PROS	ECT TITLE		-	COFE		12000	7 2	IAKI	CHILD
79-511 FIRE TRAININ	יר האפדו דייע				LS _	1.15	AM O	R 94	JAN 9
79-511 FIRE TRAININ	d PACILITY			TOTAL		1,15		21 34	OIII.
a. Future Projects:	Included	in the	Fo116					71 NC	NE
b. Future Projects:								. , .,,	
149-962 CONTROL TOWN		Tamica	nene			2,60	0		
211-153 NONDESTRUCT		ON		8,600		2,50			
FACILITY	VE INSPECT	·ON		0,000	51	2,50			
211-179 FUEL SYSTEMS	MATNTENANO	E DOCK		9,900	SF	1.55	0		
331-165 WASTEWATER T				•	MG	8,40			
10. Mission or Major			ving t					nduct	s
Indergraduate Pilot 1	raining wit	:h т+37	and 1	7/AT38	airo	raft.	Bas	e wil	1
eceive T-1 aircraft.				,			_		
1. Outstanding poll		afety	(OSH)	defic	ienci	les:			
oddodanaing poin			(,						
a. Air pollutio	n:							(	)
b. Water pollut								(	)
c: Occupational		l healti	h:					(	)
d. Other Enviro	_	. neuro	•••						)
d. Other Enviro	Jimenear.							·	-

1. COMPONENT							2. DATE
	FY 1	996 MILITA	ARY CO	ONSTRUC	TION PROJECT	DATA	
AIR FORCE		(00	ompute	er gene	rated)		
3. INSTALLATION	ON AND L	OCATION			4. PROJECT	TITLE	
COLUMBUS AIR	FORCE BA	SE, MISSIS	SSIPP	<u> </u>	FIRE TRAINI	NG FACILII	Y.
5. PROGRAM ELI	EMENT 6.	CATEGORY	CODE	7. PRO	JECT NUMBER	8. PROJEC	T COST(\$000)
8.57.56		179-511		EEP	2963006		1,150
		9.	cos	ESTIM	ATES		

9. COST ESTIMA	TES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FIRE TRAINING FACILITY	LS			850
SUPPORTING FACILITIES				180
UTILITIES	LS			( 80)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			( 50)
SUBTOTAL				1,030
CONTINGENCY (5%)		í		52
TOTAL CONTRACT COST				1,082
SUPERVISION, INSPECTION AND OVERHEAD (6%)				65
TOTAL REQUEST		ŀ		1,147
TOTAL REQUEST (ROUNDED)				1,150
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- 10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.
- 11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since January 1994; thus, live fire training cannot currently be conducted. Minimal training is conducted using a mock-up structure with no fire or heat capability. This training does not comply with Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT	1	MILITARY CONSTRUCTION	DDO TECT DATA	2. Di	ATE
AIR FORCE	F1 1990	(computer generated	<b>_</b>		
3. INSTALLAT	ON AND LOCAT	FION			
COLUMBUS AIR	FORCE BASE,	MISSISSIPPI			
4. PROJECT TI	TLE		5.	PROJECT	NUMBER
FIRE TRAINING	FACILITY			EEP29630	006

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

•	1. COMPONENT			. DATE	
	1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	1	. DAIL	
	AIR FORCE	(computer generated)	10		
-		ON AND LOCATION			
	J. INSTRUDRIT	ON AND BOCKITON			
	COLUMBUS ATR	FORCE BASE, MISSISSIPPI			
-	4. PROJECT TI		5. PROJ	ECT NUM	BER
	FIRE TRAINING	FACILITY	EEPZ	963006	ł
Ī					
İ	12. SUPPLEME	NTAL DATA:			
	a. Estimat	ed Design Data:			
					- 1
	(1) St				
		Date Design Started		94 MAR	25
İ		Parametric Cost Estimates used to develop of	costs		Y
ł		Percent Complete as of Jan 1995			90%
	, ,	Date 35% Designed.		94 SEP	
I	(e)	Date Design Complete		95 JAN	30
l	(2) Ba	ai a.			
ļ		Standard or Definitive Design -		YES	
I		Where Design Was Most Recently Used -		MOODY	
l	(~)	miles session was need needingly obed		MOODI	
l	(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(5)	000)
		Production of Plans and Specifications			55
l		All Other Design Costs			25
		Total			80
ĺ	• •	Contract			55
	(e)	In-house			25
ĺ					
l	(4) Co	nstruction Start		96 3	JAN
		•			
١					- 1

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT										2. DA	re
	FY	1 <b>9</b> 96	MILITA	ARY COM	STRUC	TION I	PROGE	MAS			
AIR FORCE			(com	outer o	f						
3. INSTALLATI	ON AND LO	CATIC	N			MMAND			İ		EA CONST
				,		DUCAT					ST INDEX
KEESLER AIR F	ORCE BASI					RAINI					. 84
6. PERSONNEL	_		ERMANI			UDENT			PORT		
STRENGTH	-		ENL	CIV			CIV	OFF			
a. As of 30 S			3874		l ;		i I	7	34	1	,
b. End FY 200	00		3900					7	34	7 97	10,665
				ENTORY	DATA	(\$000	)				
a. Total Acre		-	46)	ED 041						280,01	7 1
b. Inventory										18,10	
c. Authorizat										6,50	
d. Authorizat	ion Reque	ested	In In	is Prod	gram:		(DV °	10071		0,50	0
e. Authorizat					Progr	am:	(ri -	1997)		6,00	
f. Planned Ir			gram .	rears:						13,40	
g. Remaining		cy:								324,0	
h. Grand Tota 8. PROJECTS F	HI:	TN TL	ITS DD	OGRAM.	FV 1	996				32470	,
8. PROJECTS F CATEGORY	(EQUESTED	IN II	115 FW	oonmi.	* * * *	. , , ,		cosi	ם	ESIGN	STATUS
CODE	PRO.TI	ECT TI	TI.E		5	COPE		(\$000	_	START	CMPL
CODE	FROO	<u> </u>	1111		=			14.5.5			
721 <b>-3</b> 12 STU	ENT DORM	ITORY				120 TOTAL	-	6,50		TUL 94	JUN 9
9a. Future I	Projects:	Incl	uded	in the	Follo	wing	Prog	ram (E	Y 19	97) NO	ONE
	Projects:										
610-281 BASE	CONTRAC	TING F	ACILI'	TY	1	1,700	SF	1,70	00		
	RADE BASE						LS	4,30			,
10. Mission	or Major	Funct	ions:	Head	quarte	ers Se	cond	Air E	Force	e; a	
training wing	g respons	ible f	for co	mmunic	ations	s, ele	ctro	nics,	and		_
administrativ	ve course	s and	a C-1	2/C-21	airl	ift sq	uadro	on res	spons	sible	tor
aircrew trai:	ning; an	Air Fo	orce M	aterie	l Comr	nand e	ngin	eering	gins	stalla	tion
squadron; an	Air Forc	e Rese	erve a	irlift	wing	with	one (	C-130	airl	Lift	2.1.4
squadron and		30 wea	ather	reconn	aıssaı	ice sq	uadr	on; ar	id a	major	AIL
Force medica:			and c	a foty	(OSH)	defic	ienc	105.			
11. Outstand	aing poir	ucion	and s	arecy	(0311)	acric	10110	105.			
a. Air	pollutio	n•									0
	er pollut										0
	pational		v and	healt	h:						0
	er Enviro		-								0
d. Och	er Bilviro	1111101101									

1. COMPONENT						-		2.	DATE
	FY	1996 MILITA	ARY CON	STRUCT	поп	PROJECT	DATA		
AIR FORCE		( 00	mputer	gener	ate	d)			
3. INSTALLAT	ION AND	LOCATION			4.	PROJECT	TITLE		
KEESLER AIR E	FORCE BA	SE, MISSISS	IPPI		STUI	DENT DOR	MITOR	Y	
5. PROGRAM EI	LEMENT 6	. CATEGORY	CODE 7	. PROJ	ECT	NUMBER	8. PI	ROJECT	COST(\$000)
8.57.96		721-312		MAHO	9530	000			6.500

9. COST ESTIMA	TES			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
STUDENT DORMITORY (120 PN)				4,345
DORMITORY	SF	42,600	100	(4,260)
AUTOMATIC SPRINKLER PROTECTION	SF	42,600	2	( 85)
SUPPORTING FACILITIES				1,450
UTILITIES	LS			( 500)
SITE IMPROVEMENTS	LS			( 650)
PAVEMENTS	Ls			(300)
SUBTOTAL				5,795
CONTINGENCY (5%)				290
TOTAL CONTRACT COST		l		6,085
SUPERVISION, INSPECTION AND OVERHEAD (6%)				365
TOTAL REQUEST		ĺ		6,450
TOTAL REQUEST (ROUNDED)				6,500
		1		
			İ	
			1	

10. Description of Proposed Construction: Three-story structure with reinforced concrete foundation and floor slabs, masonry walls and roof system. Includes storage and laundry areas, and all utilities, HVAC, landscaping, fire protection, and support as required. Air Conditioning: 350 Tons. Grade Mix: 120 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a student dormitory. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Adequate on-base living quarters are required to accommodate enlisted students and to ensure that an environment conducive to studying is available. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 120 personnel: 120 E1-E4, with a maximum utilization of 120 personnel. CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this installation. Existing substandard facilities were constructed 40 years ago to design standards and criteria in effect at that time. These facilities have central latrines, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems, and foundation problems.

IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable and result in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. High building

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
KEESLER AIR E	ORCE BASE, MISSISSIPPI	
4. PROJECT TI	TLE 5. PRO	OJECT NUMBER
STUDENT DODMI	TOPY	HC8E3000

maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

1. COMPONENT		2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA AT	
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI	1	
4. PROJECT TITLE	5. PRC	DJECT NUMBER
CONTRIBUTE DODATODA	MAT.	100E 3000
STUDENT DORMITORY	MAH	iG953000
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
;		
(1) Status:		
(a) Date Design Started		94 JUL 15
(b) Parametric Cost Estimates used to develop of	costs	Y
(c) Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		94 DEC 30
(e) Date Design Complete		95 JUN 30
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		· N/A
		_
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		260
(b) All Other Design Costs		130
(c) Total		390
(d) Contract		260
(e) In-house		130
(4) Construction Start		96 JAN
o. Equipment associated with this project will be provide	d f===	
o. Equipment associated with this project will be provide other appropriations: N/A	u irom	

1. COMPON	NENT								2. DA	re	
	FY	1996 MILIT				PROGI	RAM				
AIR FORCE			puter o				···				
3. INSTAI	LLATION AND LO	CATION		4. C	DMMAND					EA CONS	
									COST INDEX		
	AIR FORCE BAS				COMBAT					05	
6. PERSON	-	PERMAN			UDENT			PORT	<del></del>	-	
STRENC		OFF ENL		OFF	ENL	CIV			CIV		
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b. End F	2000	306 2495		<del></del>		<u> </u>	29	3	33 168	3,61	
			ENTORY	DATA	(\$000	<u> </u>			<del></del>		
a. Total	Acreage: (	4,958)									
	tory Total As								562,24		
	rization Not								118,02		
	rization Reque								24,60		
	rization Incl					(FY.	1997)				
	ed In Next For		Years:		•				23,85		
1 -	ning Deficiend	cy:							62,82		
h. Grand									792,74	12	
l .	CTS REQUESTED	IN THIS PR	OGRAM:	FY.	1996		CO.05		DOTON	6 m > m + 10	
CATEGORY	220 71				CODE		COST	-		STATUS	
CODE	PROJI	ECT TITLE		3	COPE		(\$000	2	START	CMPL	
	B-2 ADD TO AS		ON/			LS	1,50	0 A	APR 94	SEP 9	
	B-2 ADD TO FI		<b>ማ</b> ርጥ ል		15,000	SE	4.10	0 0	OCT 90	SEP 9	
1/1-212	TRAINING FAC		111010	•	,		.,10		,01 ,0	<b>521</b> ).	
211-173	B-2 AIRCRAFT		E	9	52.500	SF	15.50	0 2	PR 94	SEP 9	
	DOCKS/HYDRAI				,		,_				
i	B-2 ADD TO AI	ND ALTER DO			2	EA	3,50	00 P	APR 94	SEP 9	
					TOTAL	: -	24,60	00			
9a. Futu	re Projects:	Included	in the	Follo	owing	Prog	ram (F	Y 19	97)		
831-155						LS	1,20				
	PRETREATMEN'	r facilitie	s			_		_			
					TOTAL	:	1,20	0			
9b. Futi	re Projects:	Typical P	lanned	Next	Four	Year	s:				
442-758	WAREHOUSE			10	07,000	SF	9,90	0			
740-443	TRANSIENT LO	DGING FACIL	ITY.		8	UN	75	0			
	PHYSICAL FITH		•		14,500	SF	2,50	00			
	B-2 BASE ROAL				6,000	LF	4,50	0			
880-232	ADD TO AND A	LTER FIRE				LS	6,20	00			
	SUPPRESSION										
	sion or Major	Functions:								-2	
aircraft;	an Air Force	e Space Com	mand m	issil	e wing	con	sistir	ng o	f one		
	n II intercon										
inactive	by FY 96/1) v	with HH-1 a	ircraf	t; and	d an A	ir F	orce F	(ese	rve fi	ghter	
wing with	one A/AO-10	squadron.									
11. Outs	standing poll	ution and s	afety	(OSH)	defic	ienc	ies:				
a.	Air pollution	n:							3,00		
	Water pollut								14,19	0	
1			healt	h:						0	
1	_	_								0	

T									
1. COMPONENT							2	. DATE	
1	MILITARY CO				OJECT D	ATA	Ī		
AIR FORCE	(compute	er gener							
3. INSTALLATION AND LOCAS	rion				JECT TI				
					IA OT D			RON/	
WHITEMAN AIR FORCE BASE,		r==			ROAD/T				
5. PROGRAM ELEMENT 6. CA	regory code	7. PROJ	JECT	NU	MBER 8	. PR	OJECT	COST(\$	(000
1.11.27C	13-321	YWHO		<del></del>				1,500	
	9. cos	r ESTIMA	TES		<del></del>				
	•		1.	4-4		- 1	UNIT	cos	_
ITEM	1/ 00111011			U/M	QUANTI	TY   C	COST	(\$00	0)
B-2 ADD TO AIRCRAFT APRON	1/ CONVOY		J,						
ROAD/TAXIWAY	1.	LS SY	7,000		9.	1	011		
CONVOY ROAD	APRON AND TAXIWAY						4	٠, ١	651)
SUPPORTING FACILITIES			Ι.	SY	8,000	١ '	4.	-   '	360) 350
HYDRANT OUTLETS			١,	EA		2 10	00,00		
SITE IMPROVEMENTS			- 1	LS	•	2   10	30,000	,	200)
SUBTOTAL			,	L3				· · · · · · · · · · · · · · · · · · ·	150)
CONTINGENCY (5%)			ı	ł				1 1	361 68
TOTAL CONTRACT COST				l		1		-	429
SUPERVISION, INSPECTION A	ND OVERHEAD	1681	- [			1			86
TOTAL REQUEST		(00)				1		1 -	515
TOTAL REQUEST (ROUNDED)									500
(1.001/080)									
				1					
				1					
				Į					
									]

10. Description of Proposed Construction: Level and grade site; install drainage tile and pipe, and tie into drainage system; construct rigid pavement aprons and taxiway and a munitions convoy route rated for heavy loading. Install hydrant fueling outlets and other necessary support.

11. REQUIREMENT: 773,141 SY ADEQUATE: 758,141 SY SUBSTANDARD: 0
PROJECT: Add to B-2 aircraft apron, convoy road, and taxiway. (New Mission)

REQUIREMENT: This project constructs access pavements to the new FY96 maintenance docks (docks 11 & 12) from existing taxiway. It also provides access pavement for munitions trailers to enter the back side of the new maintenance docks from an existing convoy road. Munitions must be loaded from the back of the aircraft per system design. Two hydrant outlets are required to support refueling operations for the aircraft.

CURRENT SITUATION: There are no existing access aprons, taxiways, or munitions convoy roads for providing access to the new aircraft maintenance docks #11 and #12, which are being constructed in FY96. No refueling outlets are currently available to support refueling for the aircraft.

IMPACT IF NOT PROVIDED: There will be no pavement areas surrounding the new maintenance docks to allow access by the aircraft or munitions vehicles and trailers. There will also be no hydrant refueling outlets to support the aircraft which are sheltered and maintained in the new docks. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation by the prime contractor.

. COMPONEN	T		2. D	ATE	
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	l		
AIR FORCE	(computer generated)				
B. INSTALLA	TION AND LOCATION				
	R FORCE BASE, MISSOURI				
PROJECT	TITLE	5. PR	OJECT	NUM	3E
2 200 000	TOGDARE ADDOLY CONDUCTION				
3-2 ADD 10	AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	YW:	HG969:	206	
2. SUPPLE	MENTAL DATA:				
	BRIDD DAIR.				
a. Estim	ated Design Data:				
(1)	Status:				
(	a) Date Design Started		94	APR	0
(	p) Parametric Cost Estimates used to develop	costs			•
(	e) Percent Complete as of Jan 1995			3	35
	d) Date 35% Designed.		94	SEP	0
(	e) Date Design Complete		95	SEP	3
(2)	Basis:				
(	a) Standard or Definitive Design -		YE	ES	
(	o) Where Design Was Most Recently Used -		WH	HITEM	ſΑl
(3)	Total Cost (c) = (a) + (b) or (d) + (e):			(\$0	000
	a) Production of Plans and Specifications			,,,	9(
(	) All Other Design Costs				5
•	c) Total			1	4:
•	l) Contract				
(	e) In-house			1	.42
(4)	Construction Start			96 F	EI.
	•				

b. Equipment associated with this project will be provided from other appropriations: N/A

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY WHITEMAN AIR FORCE BASE, MISSOURI 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 4,100 YWHG969203 1.11.27C 171-212 COST ESTIMATES

9. COST_ESTIMATE	S			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
B-2 ADD TO FLIGHT SIMULATOR TRAINING				
FACILITY	SF	15,000	200	3,000
SUPPORTING FACILITIES				695
UTILITIES	LS			( 220)
PAVEMENTS	SY	9,300	35	( 325)
SITE IMPROVEMENTS	LS	·		( 115)
RED/BLACK POWER SEPARATION	LF	9,000	4	( <u>35</u> )
SUBTOTAL	1			3,695
CONTINGENCY (5%)			i	185
TOTAL CONTRACT COST				3,880
SUPERVISION, INSPECTION AND OVERHEAD (6%)				233
TOTAL REQUEST				4,113
TOTAL REQUEST (ROUNDED)				4,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(19,000)
				ŀ

10. Description of Proposed Construction: Addition to an existing simulator facility which will include site improvements, foundations, reinforced concrete, masonry and steel structure, electric, water, high bay simulator area with overhead crane, fire protection, security and communication systems, raised computer floors, pavements, red/black power separation, and other necessary support.

Air Conditioning: 150 Tons.

11. REQUIREMENT: 35,000 SF ADEQUATE: 20,000 SF SUBSTANDARD: PROJECT: Add to a B-2 flight simulator training facility. (New Mission) REQUIREMENT: The B-2 mission requires an adequate facility, properly sized and configured, to house three flight simulators for classified mission qualification and continued flight training. This addition to the existing simulator facility will house the third flight simulator and associated areas to support B-2 classified advanced upgrade training. Associated support spaces include instructor offices, administrative support areas, environmentally controlled computer support, weapon systems operator training areas, security control, mechanical and equipment maintenance rooms, and contractor support areas. A secure facility is required for highly classified materials and training simulations. Red/black electrical power separation is necessary to prevent the unauthorized access to classified signal emissions. CURRENT SITUATION: The existing Combat Crew Training Squadron (CCTS) facility currently houses two equipment simulators and cannot accommodate

CURRENT SITUATION: The existing Combat Crew Training Squadron (CCTS) facility currently houses two equipment simulators and cannot accommodate the third equipment simulator that has been purchased as part of the initial buy of B-2 aircraft. The simulator is in development and is scheduled for delivery in FY 97. The first two simulators support the day-to-day training requirements of the B-2 combat crew training unit and

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

WHITEMAN AIR FORCE BASE, MISSOURI

4. PROJECT TITLE

5. PROJECT NUMBER

B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY

YWHG969203

one operational squadron. The third simulator will be used to provide advanced B-2 training for the second operational squadron. There is no other existing facility available to house the simulator for operation. The simulator will be stored in a secure warehouse until the construction of this project is complete.

IMPACT IF NOT PROVIDED: Without this project, a facility will not be available for the third simulator. The third simulator will not be available to provide B-2 training. This action will restrict the units ability to meet operational training requirements. Combat training, flight qualification, and emergency and safety procedures training will not be fully performed. The unit's mission readiness will be severely degraded.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide." The scope of this project was developed with participation by the prime contractor. The simulator will be installed by a contractor, with funds from other B-2 appropriations. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. New construction is the only option that can meet mission requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared.

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ING FACILITY  Simates uses of Jan 19  See  Sive Design ost Recentl  (b) or (d) and Speci	ed to develor 95 ' y Used - + (e):	5. PRO	90 OCT 20 Y 35% 94 APR 04 95 SEP 09 NO N/A (\$000 246 182 428 246
ING FACILITY  Indicates uses of Jan 19  ie  ive Design est Recentl  (b) or (d) and Speci	ed to develor 195 ' - y Used - + (e):	YWH	90 OCT 20 Y 35% 94 APR 04 95 SEP 09 NO N/A (\$000 246 182 428 246
ING FACILITY  Indicates uses of Jan 19  ie  ive Design est Recentl  (b) or (d) and Speci	ed to develor 195 ' - y Used - + (e):	YWH	90 OCT 20 Y 35% 94 APR 04 95 SEP 09 NO N/A (\$000 246 182 428 246
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cimates uses of Jan 19 ce cive Design est Recentl (b) or (d) and Speci	95 - y Used - + (e):	o Costs	Y 35% 94 APR 04 95 SEP 09 NO N/A (\$000 246 182 428 246
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ive Design est Recentl (b) or (d) and Speci	y Used - + (e):		95 SEP 09  NO N/A  (\$000 246 182 428 246
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and Speci	+ (e): fications		246 182 428 246
	fications		246 182 428 246
sts			428 246
			246
			182
			96 JAN
project w	ill be provi	ded from	
	FISCAL	YEAR	
PROCURING	APPROPR	IATED	COST
PROPRIATION	OR REQU	ESTED	(\$000)
3010	1989		19000
•			

1. COMPONENT										2.	DATE	
	F	7 1996 MILIT	ARY C	ONSTRI	CT	ION PR	OJECT	DATA	4			
AIR FORCE		(c	ompute	er gei	era	ated)						
3. INSTALLATION	ON AND	LOCATION			4	4. PRO	JECT :	TITLE	C			
					E	3-2 AI	RCRAF	IAM 1	NTEN	ANCI	2	
WHITEMAN AIR						OCKS/						
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PF	OJE	ECT NU	MBER	8. F	PROJEC	OJECT COST(\$000		
1.11.27C		211-173				969202				:	15,500	
		9	. cos:	r EST	MAI	res		<sub>1</sub>				
									UNI	-	COST	
D 0 1 - D 0 D 1 - D 0		ITEM	/****			U/M	QUANT	TTY	COST	<u>r</u>	(\$000)	
B-2 AIRCRAFT		ENANCE DOCKS	/HYDRA	ANT.							10.000	
CUELING SYSTEM					SF			_		12,256		
	AIRCRAFT MAINTENANCE DOCKS HYDRANT FUELING SYSTEM					LS	52,5	ן טטי	_	160	(8,400)	
SUPPORTING FAC		-				LPS					( 3,856)	
UTILITIES	CILIII	LES				Ls	٠,				1,685	
SITE IMPROVI	EMENTS	•				LS		-			( 375)	
AIRFIELD PAY						LS					( 430)	
BLAST DEFLE						LS					( 440)	
SUBTOTAL											13,941	
CONTINGENCY (	5%)										697	
TOTAL CONTRACT	•	:				1					14,638	
SUPERVISION,	INSPEC	TION AND OV	ERHEAL	(6%)							878	
TOTAL REQUEST								j			15,516	
TOTAL REQUEST	(ROUN	IDED)									15,500	

10. Description of Proposed Construction: Steel frame structures with powered hangar doors and fire protection. Integrated Technical Data System (ITDS), Consolidated Aircraft Maintenance System (CAMS) and security, oil/water separator, fuel piping from hydrant loop, blast deflectors, Consolidated Aircraft Support Systems (CASS), and all support. Retrofit 14 existing B-2 docks with humidity control and utility outlets. Air Conditioning: 130 Tons.

11. REQUIREMENT: 414,160 SF ADEQUATE: 256,660 SF

SUBSTANDARD: 52,500 SF

 $\overline{\text{PROJECT}}$ : Construct two B-2 aircraft maintenance docks and hydrant fueling system. (New Mission)

REQUIREMENT: This project will provide two maintenance docks, a hydrant fueling system, and retrofit existing docks with humidity control and utility outlets. A total of 18 enclosed maintenance spaces are required (14 maintenance docks, 2 maintenance hangars, 1 fuel cell, and 1 corrosion control facility). Fourteen spaces have already been provided and the final 2 docks (13 and 14) will be programmed in a future program. maintenance docks are constructed in pairs because they share a common hydrant fuel/CASS area. Covered spaces are required to protect the composite materials used on low observable aircraft. The rear of the dock must be constructed to withstand the jet blast of the aircraft as it taxies out. Rear doors are sized for access by munitions loading trailers. The dock must be securable to prevent unauthorized access. These docks are being constructed in phases to accommodate aircraft delivery and to take advantage of economies of scale. Refueling and CASS provisions are required at each space. CURRENT SITUATION: Three maintenance spaces (fuel cell, corrosion control

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	

WHITEMAN AIR FORCE BASE, MISSOURI

4. PROJECT TITLE 5. PROJECT NUMBER

B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM

YWHG969202

and one dock) were provided through the FY 88 MILCON and three in FY 89 MILCON (alter existing hangar = 2 spaces, and 1 dock). Two maintenance docks are in FY 91, two in FY 93, two in FY 94, and two in FY 95. This project constructs two docks and two additional spaces will be programmed in future programs. No additional facilities are available to convert to covered spaces for aircraft already authorized.

IMPACT IF NOT PROVIDED: Without complete capability to service the aircraft while on the ground, aircraft availability will be reduced and mission effectiveness will suffer. Such tasks as structural and propulsion maintenance, which have to be performed frequently, will take much longer. Repaint downtimes will also increase. Turn-around times will be adversely affected.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation from the prime aircraft contractor. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONE	T		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated)		
3. INSTALL	TION AND LOCATION		-
WHITEMAN A	R FORCE BASE, MISSOURI		
4. PROJECT	TITLE	5. PR	OJECT NUMBER
			1
B-2 AIRCRA	T MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	YW	HG969202
12. SUPPLI	MENTAL DATA:		
a. Estir	ated Design Data:		
(1)	Status:		
	a) Date Design Started		94 APR 04
	b) Parametric Cost Estimates used to develop	costs	94 APR 04 Y
	c) Percent Complete as of Jan 1995	COSCS	35%
	d) Date 35% Designed.		94 SEP 09
	e) Date Design Complete		95 SEP 30
(2)	Basis:		
	a) Standard or Definitive Design -		YES
!	b) Where Design Was Most Recently Used -		WHITEMAN
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(	a) Production of Plans and Specifications		628
+	b) All Other Design Costs		
(	c) Total		628
(	d) Contract		628
(	e) In-house		
(4)	Construction Start		96 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

•	1. COMPONENT										2.	DATE	
		FY	1996 MILITA	ARY CO	ONS:	TRUC:	TION	PROJECT	r DA:	ΓA	-`	22	
	AIR FORCE			mpute							İ		
	3. INSTALLATIO	ON AND	LOCATION				4.	PROJECT	TITI	E			
							B-2	ADD TO	AND	ALTER	DO	CK FIRE	C
_	WHITEMAN AIR I	FORCE E	BASE, MISSOU	JRI			PRO	TECTION	SYST	TEMS			
	5. PROGRAM ELI	EMENT 6	. CATEGORY	CODE	7.	PROJ	JECT	NUMBER	8.	PROJE	CT	COST(\$C	00)
-	1.11.27		880-232		Ĺ	YWHO	9692	204				3,500	
I			9	COST	E.S	амт та	TES						

9. COST ESTIMA	IES			
TMDV			UNIT	COST
ITEM	IU/M	QUANTITY	COST	(\$000)
B-2 ADD TO AND ALTER DOCK FIRE	•			
PROTECTION SYSTEMS	SF	144,000	18	2,592
SUPPORTING FACILITIES				425
UTILITIES	LS			( 425)
SUBTOTAL				3,017
CONTINGENCY (10%)				302
TOTAL CONTRACT COST		•		3,319
SUPERVISION, INSPECTION AND OVERHEAD (6%)				199
TOTAL REQUEST				3,518
TOTAL REQUEST (ROUNDED)				3,500
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	[ [			

- 10. Description of Proposed Construction: Retrofit two existing B-2 maintenance docks for advanced technology fire protection by installing the inverted deluge system (IDS). Includes utilities, telemetry, fire department tie-ins and necessary support.
- 11. REQUIREMENT: As required.

<u>PROJECT</u>: Add to and alter dock fire protection systems with installation of IDS advanced technology fire suppression in two of the eight existing docks. (New Mission)

REQUIREMENT: National Fire Protection Association (NFPA) and implementing Air Force Policy require aircraft maintenance areas be provided with a pre-action closed-head aqueous film forming foam (AFFF) sprinkler system with rate compensation devices. The IDS is required in all B-2 maintenance docks. A fire must be detected and extinguished within 17-20 seconds to prevent damage or delamination of the composite materials used on the exterior surfaces of the B-2 bomber.

CURRENT SITUATION: The development of advanced technology (stealth) composite materials for the exterior surfaces of the B-2 bomber has introduced a shorter time factor for detection and suppression of a fire before damage occurs. Fire protection/suppression technology has been developed and tested to react to this new requirement and must be retrofitted into eight existing B-2 maintenance docks. Two docks were programmed for retrofitting with IDS in FY95 and two more docks will be completed with this project. Another project in a future year will be programmed to complete installation of IDS in the remaining four docks. All future maintenance docks will include IDS during construction.

IMPACT IF NOT PROVIDED: The most effective available fire protection technology will not be in place to protect a very valuable and limited Air

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJ	ECT DATA	2. DATE
3. INSTALLATION WHITEMAN AIR FO	N AND LOCATION  DRCE BASE, MISSOURI		
4. PROJECT TITE B-2 ADD TO AND	LE ALTER DOCK FIRE PROTECTION SYSTEMS		OJECT NUMBER

Force resource, the B-2 Stealth Bomber.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation from the prime contractor. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. Upgrade is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	AT.
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	
	ORCE BASE, MISSOURI	Т.
. PROJECT TIT	LE	5. PROJECT NUMBI
-2 ADD TO AND	ALTER DOCK FIRE PROTECTION SYSTEMS	YWHG969204
<ol><li>SUPPLEMEN</li></ol>	TAL DATA:	
a. Estimate	d Design Data:	
(1) Cha	A	
(1) Sta	tus: Date Design Started	94 APR (
	Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1995	35
• •	Date 35% Designed.	94 AUG 1
• •	Date Design Complete	94 AUG 1
(e)	Date Design Complete	95 SEP 3
(2) Bas	is:	
(a)	Standard or Definitive Design -	YES
(b)	Where Design Was Most Recently Used -	WHITEMA
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$00
(a)	Production of Plans and Specifications	21
(þ)	All Other Design Costs	2
(c)	Total	23
(d)	Contract	
(e)	In-house	23
(4) Con	struction Start	· 95 DE

b. Equipment associated with this project will be provided from other appropriations: N/A

FY 19		ARY CON		ted)	PROGE	MAX		. DAT	
ON AND LOCA	(comp		genera	ted)					
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	775 5391	838				8	27	254	7,293
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		EP 94)					3.	75,96	3
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ring Quart	ERS			210	PN	9,900	) SE	P 93	APR 95
		SYSTEM			LS	600	API	R 94	JUL 95
				TOTAL	:	10,500	5		
rojects:	Included i	in the	Fol1c	wing	Progi	am (F)	199	7)	
STRIAL WAS	TEWATER				LS	1,350	)		•
TREATMENT	<b>FACILITIES</b>	3			_		-		
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ATIONS FAC	ILITY		1	17,000	SF	•			
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), and a ${\tt H}$	H-60 rescu	ie sąu	adron	; Air	Force	e Comb	at Re	scue	
					D HO	RSE Sq	uadro	n; ar	nd an
ing pollut	ion and sa	afety	(OSH)	defic	ienc	ies:			
pollution:									
r pollutio	n:						1	5,690	)
		healt	h:					(	ס
r Environm	ental:							(	)
	age: ( Zotal As Ozion Not Yesion Requestion Include Next Four Deficiency: EQUESTED II  PROJECT  TING QUARTIANE STORM INCOME STORM INCOME STORM INCOME STORM INCOME	7. INVE	7. INVENTORY age: ( 24,419) Total As Of: (30 SEP 94) ion Not Yet In Inventory: ion Requested In This Pro- ion Included In Following Next Four Program Years: Deficiency: 1: EQUESTED IN THIS PROGRAM:  PROJECT TITLE  TING QUARTERS ADE STORM DRAINAGE SYSTEM  rojects: Included in the STRIAL WASTEWATER TREATMENT FACILITIES  rojects: Typical Planned ATIONS FACILITY TING AIRMEN QUARTERS or Major Functions: Air Weapons School (A-10, F-1 ron, an adversary threat nd F-16 aircraft), the US ), and a HH-60 rescue squ nt training unit (Air War eriel Command Munitions S ing pollution and safety  pollution: r pollution: pational safety and healt	7. INVENTORY DATA age: ( 24,419) Total As Of: (30 SEP 94) ion Not Yet In Inventory: ion Requested In This Program: ion Included In Following Program Next Four Program Years: Deficiency: 1: PROJECT TITLE  TING QUARTERS ADE STORM DRAINAGE SYSTEM  POJECT: Included in the Following Program TREATMENT FACILITIES  TOJECTS: Typical Planned Next ATIONS FACILITY TING AIRMEN QUARTERS OF Major Functions: Air Warfar Weapons School (A-10, F-15, F-1) Ton, an adversary threat group and F-16 aircraft), the USAF Air And a HH-60 rescue squadron training unit (Air Warrior) eriel Command Munitions Squadro ing pollution: r pollution: pational safety and health:	7. INVENTORY DATA (\$000 age: ( 24,419) Total As Of: (30 SEP 94) ion Not Yet In Inventory: ion Requested In This Program: ion Included In Following Program: Next Four Program Years: Deficiency: 1: EQUESTED IN THIS PROGRAM: FY 1996  PROJECT TITLE  SCOPE  TING QUARTERS ADE STORM DRAINAGE SYSTEM  TOTAL  rojects: Included in the Following STRIAL WASTEWATER TREATMENT FACILITIES  TOTAL  rojects: Typical Planned Next Four ATIONS FACILITY ATIONS FACILITY 17,000 TING AIRMEN QUARTERS OR Major Functions: Air Warfare Cen Weapons School (A-10, F-15, F-15E, a ron, an adversary threat group (Red and F-16 aircraft), the USAF Air Demo ), and a HH-60 rescue squadron; Air and training unit (Air Warrior); a RE eriel Command Munitions Squadron. ing pollution and safety (OSH) defic	7. INVENTORY DATA (\$000) age: ( 24,419) Total As Of: (30 SEP 94) ion Not Yet In Inventory: ion Requested In This Program: ion Included In Following Program: (FY 1 Next Four Program Years: Deficiency: 1: EQUESTED IN THIS PROGRAM: FY 1996  PROJECT TITLE  SCOPE  TING QUARTERS ADE STORM DRAINAGE SYSTEM LS TOTAL: rojects: Included in the Following Program: STRIAL WASTEWATER TREATMENT FACILITIES  TOTAL: rojects: Typical Planned Next Four Years ATIONS FACILITY 17,000 SF TING AIRMEN QUARTERS 175 PN OR Major Functions: Air Warfare Center; Weapons School (A-10, F-15, F-15E, and F- ron, an adversary threat group (Red Flag) and F-16 aircraft), the USAF Air Demonstra ), and a HH-60 rescue squadron; Air Force ant training unit (Air Warrior); a RED HOI eriel Command Munitions Squadron. ing pollution and safety (OSH) deficiency pollution: r pollution: pational safety and health:	7. INVENTORY DATA (\$000) age: ( 24,419) Total As Of: (30 SEP 94) ion Not Yet In Inventory: ion Requested In This Program: ion Included In Following Program: (FY 1997) Next Four Program Years: Deficiency: 1: EQUESTED IN THIS PROGRAM: FY 1996  COST PROJECT TITLE SCOPE (\$000)  TING QUARTERS ADE STORM DRAINAGE SYSTEM LS 600 TOTAL: 10,500  STRIAL WASTEWATER LS 1,350  TOTAL: 1,350  TOTAL: 1,350  TOTAL: 1,350  TOTAL: 17,000 SF 3,590  TING AIRMEN QUARTERS OF Major Functions: Air Warfare Center; a fly: Weapons School (A-10, F-15, F-15E, and F-16 air ron, an adversary threat group (Red Flag), a tend F-16 aircraft), the USAF Air Demonstration: ), and a HH-60 rescue squadron; Air Force Combent training unit (Air Warrior); a RED HORSE Squeriel Command Munitions Squadron. ing pollution: r pollution: r pollution: pational safety and health:	7. INVENTORY DATA (\$000) age: ( 24,419) Total As Of: (30 SEP 94) 3' ion Not Yet In Inventory: ion Requested In This Program: ion Included In Following Program: (FY 1997) Next Four Program Years: Deficiency: 1:	7. INVENTORY DATA (\$000)  age: ( 24,419) Total As Of: (30 SEP 94)

1. COMPONENT	1						2. DATE
	F	7 1996 MILITA	ARY CO	NSTRUC'	TION PROJECT	DATA	
AIR FORCE		(00	ompute	r gene	rated)		
3. INSTALLAT	ION AND	LOCATION			4. PROJECT	TITLE	
NELLIS AIR FO	ORCE BA	SE, NEVADA			VISITING QU	ARTERS	
5. PROGRAM EI	LEMENT	6. CATEGORY	CODE	7. PRO	JECT NUMBER	8. PROJEC	T COST(\$000)
2.75.96C		721-315		RKMI	7953008		9,900
		٥	COST	POTTM	TOTAL C		

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
VISITING QUARTERS (210 PN)	SF	66,000		7,062
VISITING QUARTERS	SF	66,000	105	(6,930)
AUTOMATIC SPRINKLER PROTECTION	SF	66,000	2	( 132)
SUPPORTING FACILITIES				1,830
UTILITIES	LS	j		( 655)
PAVEMENTS	LS			( 560)
SITE IMPROVEMENTS	LS	•		( 615)
SUBTOTAL				8,892
CONTINGENCY (5%)				445
TOTAL CONTRACT COST				9,337
SUPERVISION, INSPECTION AND OVERHEAD (6%)				560
TOTAL REQUEST				9,897
TOTAL REQUEST (ROUNDED)		İ	İ	9,900
		ŀ		
				1
		I	İ	

- 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, and metal roof. Includes room with private bath modules, laundry facilities, small exercise area, lounge area, TDY processing center, and other necessary support.

  Air Conditioning: 150 Tons. Grade Mix: 10 04-010; 100 E1-E4; 100 E5-E6.
- 11. REQUIREMENT: 1,058 PN ADEQUATE: 498 PN SUBSTANDARD: 0
  PROJECT: Construct visiting quarters. (Current Mission)
  REQUIREMENT: This is a Level I Commanders' Facility Assessment
  requirement. Nellis AFB hosts major exercises designed to maintain and
  enhance the combat-readiness of Air Force fighter and bomber aircrew and
  aircraft support personnel. These exercises include Red Flag, Green Flag,
  and Air Warrior. During these exercises, large numbers of personnel
  stationed at other installations throughout the United States are
  temporarily assigned to Nellis AFB, generating a significant demand for
  temporary quarters.

CURRENT SITUATION: Nellis AFB has a severe shortage of transient quarters and is able to accommodate less than half the average nightly demand. Additionally, the demand for rooms exceeds the supply more than 75 percent of the time. The average number of bedspaces required per night is 1058 (officers and enlisted combined) and the on-base capacity is only 498. Personnel who cannot be accommodated on-base are sent to hotels and motels in the Las Vegas area. Personnel assigned to these off-base accommodations require transportation to the base and typically spend an average of one hour daily commuting back and forth from the hotel to the flightline/exercise area. Flag exercises are held an average of five times per year and run for six weeks, generating approximately half the

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ra An
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
NELLIS AIR FORCE BASE, NEVADA	
4. PROJECT TITLE	5. PROJECT NUMBER
VISITING QUARTERS	RKMF953008

total transient population at Nellis AFB. The number of personnel participating in these exercises often brings the nightly demand for bedspaces up to 2,000, resulting in a need to house up to 1,500 persons off base. While this project will not provide a facility capable of housing all exercise personnel during these peak periods, the numbers of key and essential personnel sent off base will be considerably reduced. Currently, Nellis AFB annually contracts for over 218,000 bed-nights in the Las Vegas area at a cost of approximately \$4.2 million per year, not including increased costs for transportation and food allowance. At the completion of this project, the annual requirement for off-base accommodations will be reduced to 71,000 bed-nights, a net reduction of 67 percent.

IMPACT IF NOT PROVIDED: Large numbers of exercise participants will continue to be housed off-base at increased costs. The Air Force will continue to pay lodging and per diem to the personnel housed off-base, resulting in a much higher annual cost than on-base accommodations.

ADDITIONAL: This project meets the criteria/scope specified in Part II of MIL-HNBK 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, "Fire Protection for Facilities". Cost for fire protection systems is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories.

1. COMPONEN	Т	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLA	TION AND LOCATION	
	FORCE BASE, NEVADA	
4. PROJECT	TITLE	5. PROJECT NUMBER
VISITING QU	ARTERS	RKMF953008
VIDIIINO QU	art DNO	KRIF 333008
12. SUPPLE	MENTAL DATA:	
a. Estim	ated Design Data:	
(1)	Status:	
1 '	a) Date Design Started	93 SEP 13
	<ul><li>Parametric Cost Estimates used to develop of</li></ul>	
	c) Percent Complete as of Jan 1995	35%
	Date 35% Designed.	93 NOV 04
· ·	e) Date Design Complete	95 APR 15
, ,	Basis:	
	) Standard or Definitive Design -	NO
(1	) Where Design Was Most Recently Used -	N/A
(3)	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	) Production of Plans and Specifications	375
	) All Other Design Costs	240
((	) Total	615
((	) Contract	
( 6	) In-house	615
(4)	onstruction Start	95 NOV
•		)3 110V
b. Equipmen	t associated with this project will be provide	d from
	riations: N/A	
• • • •		

1. COMPONENT								1.	2. DAT	r Er
FY 1996 MILITARY CONSTRUCTION PROGRAM							'	Z. DAT	LE	
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MCGUIRE AIR F	ORCE BASE	COMM					1.19			
6. PERSONNEL										
STRENGTH	RENGTH OFF ENL CIV OFF ENL CIV OFF ENL									TOTAL
a. As of 30 S	EP 94	532 36	27 1596						231	5,986
b. End FY 200	o	19 1514			ļ .			231	5,812	
7. INVENTORY DATA (\$000)										
a. Total Acre	age: (	3,602)	-							
b. Inventory		Of: (30	SEP 94)					2	243,98	86
c. Authorizat									47,40	00
d. Authorizat	ion Reque	ested In	This Pro	gram:					9,20	00
e. Authorizat	ion Inclu	ided In F	ollowing	Progr	am:	(FY J	1997)		6,20	00
f. Planned In	Next Fou	ır Progra	m Years:		ŧ				15,20	0
g. Remaining	Deficienc	y:							57,22	:0
h. Grand Tota	1:							3	379,20	16
8. PROJECTS R	EQUESTED	IN THIS	PROGRAM:	FY J	.996					
CATEGORY							COSI	DE DE	SIGN	STATUS
CODE	PROJE	CT TITLE		5	COPE		(\$000	<u>))                                   </u>	TART	CMPL
141-753 KC-1	-		*		1,500	SF	7,60	)O J	JL 94	SEP 95
	CRAFT MAI			С				_		
179-511 FIRE	TRAINING	FACILIT	Y			_	1,60	_	JL 94	AUG 95
					TOTAL		9,20			
9a. Future P	_								<del>)</del> 7)	
141-753 SQUA		•		3	1,600	SF	6,20	) ()		
MAI.	NTENANCE	UNIT FAC	ILITY		moma t	_	6,20	<u></u>		
9b. Future P		Tunian1	Dlannod	Nove	TOTAL			,0		
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721-312 ALTE						PN	-			
880-212 DELU					224	LS	1,60			
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air mobility										
east coast Ai	_		_							
Mobility Warf		-		-						
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11. Outstand		tion and	safetv	(OSH)	defic	ienci	.es:			
			<b>- ,</b>	,			·			
a. Air	pollution	1:							3,700	)
b. Water pollution: 0								_		
c. Occupational safety and health: 1,600								)		
d. Other Environmental:										
	,									

1. COMPONENT									2.	DATE		
FY 1996 MILITARY CONSTRUCTION PROJECT DATA									A			
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3. INSTALLATION AND LOCATION							4. PROJECT TITLE					
					K	KC-10 SQUADRON OPERATIONS/						
MCGUIRE AIR F	ORCE I	BASE, NEW JE	RSEY		A	IRCRA	FT MA	INTE	NANCE UN	IT FAC		
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7.	PROJE	ECT NUMBER 8. PROJECT COST(\$000				COST(\$000)		
				1								
4.12.19		141-753	:		PTFL9	953012				7,600		
		9.	cos	r Es	TIMAT	TES .						
									UNIT	COST		
		ITEM				U/M	CUAUD	YTI	COST	(\$000)		
KC-10 SQUADRO	N OPER	CATIONS/ AIRC	RAFT									
MAINTENANCE UNIT FACILITY					SF	41,5	00	140	5,810			
SUPPORTING FACILITIES										990		
UTILITIES						LS				( 375)		
SITE IMPROVEMENTS						LS				( 200)		
PAVEMENTS						LS				( 260)		
i												

2,500

1

22

100,000

55)

100)

340

428

6,800

7,140

7,568

7,600

SF

EA

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements, and necessary support. Air Conditioning: 85 Tons.

11. REQUIREMENT: As required.

DEMOLITION/ASBESTOS REMOVAL/DISPOSAL

SUPERVISION, INSPECTION AND OVERHEAD (6%)

ELEVATOR

TOTAL REQUEST

CONTINGENCY (5%)

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUBTOTAL

PROJECT: Construct a KC-10 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the addition of 10 KC-10s expected in the 4th quarter of FY94. A total of 24 KC-10s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, standardization/evaluation, locker rooms, life support, flying/ground safety, tool rooms, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC. CURRENT SITUATION: There are no adequate facilities to support consolidated Sq Ops/AMU operations in support of wide framed aircraft at McGuire AFB. Currently there are eight operations and maintenance facilities in use. These facilities provide only half of the required

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
	ON AND LOCATION	
MCGUIRE AIR F	ORCE BASE, NEW JERSEY	
4. PROJECT TI	TLE	5. PROJECT NUMBER
KC-10 SQUADRO	ON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	PTFL953012

space to support the much larger unified KC-10 operations and maintenance functions. The operations' facilities are also overcrowded, improperly configured, and physically separated from the squadron maintenance personnel on the flightline. This creates fragmented lines of communications/authority. Aircrews and maintainers spend many hours away from duty location in an effort to obtain parts, organizational and mobility equipment, and required training. Other inefficiencies include lack of space for mission planning and briefings, inadequate space for storage and equipment storage, and inadequate electrical and mechanical systems. Most of the existing facilities will be reused to meet other mission requirements.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
MCGUIRE AIR FORCE BASE, NEW JERSEY	
4. PROJECT TITLE	5. PROJECT NUMBER
Wa 10 annual annual annual annual annual annual annual annual annual annual annual annual annual annual annual	
KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	PTFL953012
12. SUPPLEMENTAL DATA:	
12. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	94 JUL 15
(b) Parametric Cost Estimates used to develop	
(c) Percent Complete as of Jan 1995	45%
(d) Date 35% Designed.	94 OCT 05
(e) Date Design Complete	95 SEP 15
(2) Basis:	
(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	MCGUIRE
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	250
(b) All Other Design Costs	250
(c) Total	500
(d) Contract	500
(e) In-house	500
(4) Construction Start	95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

MCGUIRE AIR FORCE BASE, NEW JERSEY

FIRE TRAINING FACILITY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

PTFL963501

179-511

ITEM	U/M	QUANTITY	UNIT COST	(\$000)
FIRE TRAINING FACILITY SUPPORTING FACILITIES UTILITIES PAVEMENTS SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS LS LS	ç		1,200 215 (75) (70) (70) 1,415 71 1,486 89 1,575 1,600

10. Description of Proposed Construction: Construct a fire training facility to include, a 100 foot diameter environmentally approved fire training area with a large frame aircraft simulator, 1,000 gallon water capacity LPG tank, a fuel water separator, a lined effluent holding pond, pumps, piping system, and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a fire training facility. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance project. The

existing fire training pit does not meet the Clean Water Act (CWA)

requirements (40 CFR 122.26). This project constructs a fire training

facility which meets CWA, Clean Air Act, and the Resource Conservation and

Recovery Act requirements. The following features must be provided;

impermeable liner below the burn area, fuel/water separator and

nondischarging effluent holding pond to prevent contamination of soil and

groundwater. Live fire training is an FAA established quarterly training

requirement for the fire fighters to maintain a high level of proficiency.

It is Air Force policy to have a facility on every major Air Force

installation to meet fire training requirements which complies with all

applicable environmental requirements.

CURRENT SITUATION: The existing live fire training facility does not meet the CWA requirements and has been closed since Oct 1982. Live fire training requirements defined by Air Force regulations are not being met. An undersized aircraft mock-up structure with no fire or heat capability is used to provide minimal training. There are no environmentally approved live fire training facilities in the local area. Structural fire training is provided only when facilities are burned for purposes of demolition.

4.18.56

1,600

[	1. COMPONENT	FY 1996 MILITARY CONSTRUCTION	ON PROJECT DATA	2. DATE
7	AIR FORCE	(computer generat		
3	3. INSTALLATION	N AND LOCATION		
1	MCGUIRE AIR FO	RCE BASE, NEW JERSEY		
4	4. PROJECT TI	LE	5. P	ROJECT NUMBER
Ļ	PIDE MDAINING	PACTI TOV	, n	MBT 063501

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the fire fighter and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There are no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

. COMPON	ENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
IR FORCE		(computer generated)	
INSTAL	LATION	N AND LOCATION	
CGUIRE A	IR FOF	RCE BASE, NEW JERSEY	
. PROJEC			. PROJECT NUMBER
IRE TRAIL	NING F	PACILITY	PTFL963501
2. SUPP	LEMENT	TAL DATA:	
a. Est	imated	d Design Data:	
(1)	Stat	cus:	
		Date Design Started	94 JUL 15
		Parametric Cost Estimates used to develop cost	sts Y
		Percent Complete as of Jan 1995	45%
		Date 35% Designed.	94 OCT 15
	(e)	Date Design Complete	95 AUG 15
(2)	Basi	s:	
		Standard or Definitive Design -	YES
	(p)	Where Design Was Most Recently Used -	FAIRCHIL
(3)	Tota	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	90
		All Other Design Costs.	90
		Total	180
		Contract	140
	(e)	In-house	40
(4)	Cons	truction Start	95 DEC
. Equipm ther appr		ssociated with this project will be provided tions: N/A	from
cuer appr	opria	CIONS: N/A	

1. COMPONENT 2. DATE						
THE PROPERTY OF THE PROPERTY O	3					
FY 1996 MILITARY CONSTRUCTION PROGRAM						
AIR FORCE (computer generated)						
3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA						
	INDEX					
CANNON AIR FORCE BASE, NEW MEXICO AIR COMBAT COMMAND 0.9	15					
6. PERSONNEL PERMANENT STUDENTS SUPPORTED						
STRENGTH OFF ENL CIV OFF ENL CIV	TOTAL					
a. As of 30 SEP 94 552 4550 508 1 9 41	5,661					
b. End FY 2000 310 3001 352 1 9 41	3,714					
7. INVENTORY DATA (\$000)						
a. Total Acreage: ( 4,537)						
b. Inventory Total As Of: (30 SEP 94) 236,340						
c. Authorization Not Yet In Inventory:						
d. Authorization Requested In This Program: 10,420						
e. Authorization Included In Following Program: (FY 1997)						
f. Planned In Next Four Program Years: 7,500						
g. Remaining Deficiency:						
h. Grand Total: 299,507						
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996						
CATEGORY COST DESIGN S						
CODE PROJECT TITLE SCOPE (\$000) START	CMPL					
831-165 WASTEWATER TREATMENT AND LS 9,800 MAR 94	JUL 95					
031 103 (1.1.512.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.						
DISPOSAL PLANT  1971-193 UPCRADE STORM DRAINAGE SYSTEM LS 620 MAR 94	JUN 95					
871-183 UPGRADE STORM DRAINAGE SYSTEM LS 620 MAR 94 TOTAL: 10,420	JUN JU					
T 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	E					
9a. Future Projects: Included in the Following Program (FI 1997) NOW 9b. Future Projects: Typical Planned Next Four Years:						
149-962 CONTROL TOWER 1 EA 2,500						
211-177 SMALL ACFT MAINTENANCE DOCK 28,000 SF 5,000						
10. Mission or Major Functions: A fighter wing which includes three						
F-111 fighter squadrons, a fighter training squadron responsible for						
training all F-111 aircrews, and an electronic combat EF-111 squadron.						
11. Outstanding pollution and safety (OSH) deficiencies:						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
3,800						
a. Alr pollution:						
a. All pollucion.						
b. Water pollution: 14,990						
b. Water pollution: 14,990						

1. COMPONENT			2. DATE		
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	T DATA		
AIR FORCE	(comput	er generated)			
3. INSTALLATION AND LOCATION 4. PROJECT TITLE					
	TREATMENT AND				
CANNON AIR FORCE	LANT				
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56C	831-165	CZQZ930255	9,800		
O COCH ECTIVATES					

9. COSI ESTIMAT	دع.			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
WASTEWATER TREATMENT AND DISPOSAL PLANT	LS			6,599
SUPPORTING FACILITIES				2,165
UTILITIES	LS			( 295)
PAVEMENTS	LS			( 170)
SITE IMPROVEMENTS	LS			(1,505)
START-UP, TRAINING AND OWM MANUALS	LS			(195)
SUBTOTAL				8,764
CONTINGENCY (5%)				438
TOTAL CONTRACT COST				9,202
SUPERVISION, INSPECTION AND OVERHEAD (6%)				552
TOTAL REQUEST				9,754
TOTAL REQUEST (ROUNDED)				9,800
	- [			
		1		
	1			

10. Description of Proposed Construction: Construct a one million gallon per day (MGD) wastewater treatment plant to provide advance wastewater treatment and sludge disposal. Sitework will include construction of a wetlands area and other necessary support. Provide construction, operation and discharge permits, operation and maintenance (O&M) manual and one year start-up contract.

11. REQUIREMENT: As required.

PROJECT: Construct a wastewater treatment and disposal plant. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. Existing unlined, unpermitted lagoons do not meet the requirements for either surface impoundments, under the Resource Conservation and Recovery Act (RCRA), or wastewater discharge, under the Clean Water Act (CWA). This construction will bring the base into compliance.

CURRENT SITUATION: The existing wastewater treatment facilities (lagoons) were built in 1966 and 1967, and provide primary and secondary treatment. The lagoons discharge to an on-base lake that provides storage, evaporation and percolation. A local farmer uses water from this lake for irrigation of non direct human food chain crops. The current system does not have a National Pollution Discharge Elimination System (NPDES) permit, and discharge of untreated industrial process wastewater can cause the

existing lagoons to be designated as Solid Waste Management Units (SWMUs) and require their cleanup under RCRA.

IMPACT IF NOT PROVIDED: Continued operation of the base's existing unlined lagoons could result in a Notice of Violation (NOV) of federal or state regulations, and in fines and penalties of up to \$25,000 per day per violation. Closure of the lagoons will effectively prevent the use of the

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	1. COMPONENT			2. D	ATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ΓA		
	AIR FORCE	(computer generated)			
	3. INSTALLATI	ON AND LOCATION			
	CANNON AIR FO	RCE BASE, NEW MEXICO			
	4. PROJECT TI	TLE	5.	PROJECT	NUMBER
ļ					
Ì	WASTEWATED TE	FATMENT AND DISPOSAL PLANT		CZOZ9302	955

only wastewater treatment system available.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONE	NT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALL	ATION AND LOCATION	
CANNON AIR	FORCE BASE, NEW MEXICO	
PROJECT		PROJECT NUMBER
JASTEWATER	TREATMENT AND DISPOSAL PLANT	CZQZ930255
***************************************	TIGHTEN IND PIOLOGIA 12.114	
L2. SUPPL	EMENTAL DATA:	
a. Esti	mated Design Data:	
	Status:	
	(a) Date Design Started	94 MAR 24
	(b) Parametric Cost Estimates used to develop cost	
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	94 JUN 16
	(e) Date Design Complete	95 JUL 13
	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	20
	(b) All Other Design Costs	530
	(c) Total	550
	(d) Contract	385
	(e) In-house	165
(4)	Construction Start	95 DEC
	ent associated with this project will be provided fopriations: N/A	rom
		•

1. COMPONENT				2. DA	re		
FY 1996 MILITARY CONSTRUCTION PROGRAM AIR FORCE (computer generated)							
				5 35	33 601165		
3. INSTALLATION AND LOCATION	4. COMMAND			1	EA CONST		
	AIR FORCE				ST INDEX		
KIRTLAND AIR FORCE BASE, NEW MEXICO	MATERIEL CO		<del></del>		.02		
6. PERSONNEL PERMANENT	STUDENTS		SUPPOR				
STRENGTH OFF ENL CIV			OFF EN				
a. As of 30 SEP 94 1358 2937 2588	1 1	1 1		51 914			
b. End FY 2000   1375   3014   2586		<del></del>	135 1	51 914	10,193		
	Z DATA (\$000)	)					
a. Total Acreage: ( 44,025)				447,94	17		
b. Inventory Total As Of: (30 SEP 94)				18,70			
c. Authorization Not Yet In Inventory:				9,15			
<ul><li>d. Authorization Requested In This Pro</li><li>e. Authorization Included In Following</li></ul>		/EV 100	271				
f. Planned In Next Four Program Years:	_	(LI 193	77)	7,75	•		
	•			153,00			
g. Remaining Deficiency:				638,04			
<ul><li>h. Grand Total:</li><li>8. PROJECTS REQUESTED IN THIS PROGRAM:</li></ul>	EV 1996			030,04	1 /		
CATEGORY	F1 1550		COST	DESIGN	CTATHE		
	SCOPE		5000)	START	CMPL		
CODE PROJECT TITLE	BCOFE	7.5	,000	DIAKI	CMFE		
813-231 UPGRADE ELECTRIC DISTRIBUTION LS 7,656 JUN 94 AUG 95 SYSTEM							
871-183 UPGRADE STORM DRAINAGE SYSTEM	! TOTAL:		1,500 1 9,156	TURN KE	Y		
9a. Future Projects: Included in the	Following F	rogram	n (FY 19	997)			
832-266 ADD TO SANITARY SEWER SYSTEM	21,500	LF1	500	TURN KE	Y		
	TOTAL:		1,500				
9b. Future Projects: Typical Planned	Next Four Y	ears:					
141-453 BASE OPERATIONS	17,550		2,350				
179-511 FIRE TRAINING FACILITY			1,600				
880-221 ADD TO AND ALTER AUTO FIRE		LS 3	8,800				
DETECTION SYSTEM							
10. Mission or Major Functions: Phil							
Operational Test and Evaluation Center					J		
Command special operations wing with t	hree flying	traini	ing squ	adrons			
operating MH-53, TH-53, UH-1, MH-60, M							
base wing; Air Force Security Police F	gency; and a	in Air	Nation	al Guar	:d		
fighter group with one F-16 squadron.							
11. Outstanding pollution and safety	(OSH) defici	iencies	<b>5</b> :				
a. Air pollution:				c	)		
b. Water pollution:				5,750			
c. Occupational safety and healt	h:			3,730			
d. Other Environmental:	•••			Č			
d. Other Environmental.				_			

1. COMPONENT AIR FORCE		CONSTRUCTION PROJECT	DATA 2. DATE			
3. INSTALLATION KIRTLAND AIR FOR	TITLE CTRIC DISTRIBUTION					
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT.NUMBER 8. PROJECT COST(\$000)						
7.28.06	7.28.06 813-231 MHMV953007					
9. COST ESTIMATES						

9. COST ESTIMA	TES			
TODA	/		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE ELECTRIC DISTRIBUTION SYSTEM	Ls			6,250
UPGRADE TRANSMISSION LINES	Ls			(4,450)
UPGRADE SUBSTATIONS	LS			(1,800)
SUPPORTING FACILITIES				350
SITE IMPROVEMENTS	LS			( 350)
SUBTOTAL		i		6,600
CONTINGENCY (10%)				660
TOTAL CONTRACT COST				7,260
SUPERVISION, INSPECTION AND OVERHEAD (6%)				436
TOTAL REQUEST		1		7,696
TOTAL REQUEST (ROUNDED)	İ	}		7,656
	1	İ		
	İ	]		
		1	,	

10. Description of Proposed Construction: Upgrade electric distribution systems by replaceing 5 KV and 15 KV overhead distribution lines with 15 KV underground lines, and placing street lighting and building service lines underground; upgrade substations, replace switches and sectionalizers; provide fuel containment; upgrade supervisory control and data acquisition (SCADA) system and provide necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade eastside electrical distribution system. (Current
Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A reliable electrical distribution system is required to provide continuous electrical service to various base operations and missions at Kirtland Air Force Base. The existing system must be upgraded to meet National Electric Safety Code standards. Replacing low voltage lines and transformers and the installation of underground distribution lines is needed to improve system reliability and to reduce maintenance costs. The electrical distribution system must be capable of handling electrical harmonics (interference) so that computer and data systems operating within various base facilities are not corrupted. Failing utility poles must be disposed of and oil and fuel-fed generators require containment measures meeting EPA regulations.

CURRENT SITUATION: The electrical distribution system is rapidly failing and electrical power requirements exceed capacity to the extent that mission requirements are not being met. Maintenance and repairs to the system consume dwindling base operations and maintenance funds and manpower. Many utility poles and lines are failing and are susceptible to storm and wind damage. Electrical lines must be placed underground for

۰	1. COMPONENT		2. DA	TE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A		
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			
	KIRTLAND AIR FORCE BASE, NEW MEXICO			
	4. PROJECT TITLE	5.	PROJECT	NUMBER
	UPGRADE ELECTRIC DISTRIBUTION SYSTEM	1	MHMV9530	07

safety, reliability and for ease of maintenance. Electrical interference (harmonics) travels within buildings, thereby corrupting the collection and transmission of data gathered during special weapon system testing. There are also many oil and fuel-filled generators which do not have the appropriate containment measures required by the EPA.

IMPACT IF NOT PROVIDED: The continued deterioration and failure of electric distribution system components will result in additional power outages, brownouts and low voltage situations, which negatively impact mission accomplishment and quality of life for personnel located within this area of the base.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONE	ENT		1	2. D#	ATE	
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA				
AIR FORCE		(computer generated)				
3. INSTALI	LATIC	ON AND LOCATION				
		ORCE BASE, NEW MEXICO				
4. PROJECT	TIT	LE 5.	PRO	JECT	NUME	3ER
JPGRADE EI	ECTR	CIC DISTRIBUTION SYSTEM	мнм	V9530	007	
l2. SUPPI	LEMEN	TAL DATA:				
a. Esti	Lmate	d Design Data:				
(1)	Sta					
	(a)			94	JUN	20
		Parametric Cost Estimates used to develop cost	:s			7
	(C)	Percent Complete as of Jan 1995			3	35₹
	(d)	Date 35% Designed.		94	DEC	30
	(e)	Date Design Complete		95	AUG	20
(2)	Bas	is:				
	(a)	Standard or Definitive Design -		NC	)	
	(b)	Where Design Was Most Recently Used -		N/	'A	
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):			(\$0	000
	(a)	Production of Plans and Specifications			4	120
	(b)	All Other Design Costs			1	160
	(c)	Total			5	580
	(d)	Contract			4	<b>17</b> 0
	(e)	In-house			1	110
(4)	Con	struction Start			96 F	EE
o. Equipm	ent	associated with this project will be provided :	from			

	1. COMPONENT									- 1.	2. D	ATE	3	
		F	Y 1996 MILIT	ARY C	onsi	RUCT	ION PR	OJECT	DAT	A				
	AIR FORCE (computer generated)													
	3. INSTALLATION AND LOCATION 4. PROJECT TITLE												_	
	KIRTLAND AIR F	ORCE	BASE, NEW MI	EXICO		τ	JPGRAD	E STO	מ אא	RAINAG	e sv	CTE	м	
	5. PROGRAM ELE				7.	PROJE	CT NU	MBER		PROJEC				1
										· NOO BO.		<b>51</b> (	\$ <b>0</b> 00)	1
	7.80.56		871-183			MHMW	63010						_	ı
				COST		TIMAT						,50	0	4
1				CO3.	L ES	TIMAT	ES							4
										UNIT		CO	ST	ı
1	***************************************		ITEM				U/M	CUAND	YTI	COST		(\$0	00)	ı
i	UPGRADE STORM I		AGE SYSTEM				LS					1	,136	T
	STORM CULVER	T					LF	3,2	200	23	30	(	736)	l
	IMPROVE DRAII	NAGE	CHANNEL				LS				j	ì	400)	I
	SUPPORTING FAC	ILITI	ES								-	`	135	ı
	SITE IMPROVE	MENTS					Ls					,	50)	ı
l	OUTLET STRUCT	TURE					LS					,	•	l
Į	SUBTOTAL	_										٠ <u>.                                    </u>	85)	l
l							1 1		- 1		- 1	ı,	271	ı

10. Description of Proposed Construction: Redirect storm drainage channel by installing culvert, pipe, and outlet structure. Includes necessary support.

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

CONTINGENCY (10%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

PROJECT: Upgrade storm drainage system. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement.

This project is required to comply with Clean Water Act requirements under 40 CFR 122.26 for storm water discharge. Kirtland Air Force Base is required to meet Section 2-201 of the New Mexico Water Quality Control Commission (WQCC) regulations, which do not allow disposal of refuse in a natural water course. A redirected storm drainage channel is required to preclude runoff through an existing closed landfill located in the Tijeros Arroyo. Rerouting the channel will prevent contamination of the water table and storm waters which flow through a closed landfill. A new culvert is needed to divert storm water around the landfill and minimize erosion and subsequent contamination of the Tijeros Arroyo below the landfill as recommended by the WQCC.

CURRENT SITUATION: The base is in violation of Section 2-201 of the WQCC Regulation and received a Notice of Violation (NOV) on 4 Sep 90 for a similar uncontrolled discharge and for allowing refuse to enter Tijeros Arroyo. This landfill is located in the Arroyo and contains hazardous materials. A drainage channel from the base industrial area and runway empties into the Arroyo above the landfill. During heavy rains, storm waters uncover hazardous materials and wash them off base. The cap of the landfill has been breeched and storm waters leach through the landfill, possibly contaminating the water table.

IMPACT IF NOT PROVIDED: Hazardous materials and debris will continue to

127

84

1,398

1,482

1,500

1. COMPONENT		2. DATE
FY	Y 1996 MILITARY CONSTRUCTION PROJECT DAT	ra A1
AIR FORCE	(computer generated)	
3. INSTALLATION AND	LOCATION	
KIRTLAND AIR FORCE	BASE, NEW MEXICO	
4. PROJECT TITLE		5. PROJECT NUMBER
UPGRADE STORM DRAIN	NAGE SYSTEM	MHMV963010

be washed off-base or enter the water table. The base will be subject to potential fines of up to \$25,000 per day.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

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	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION P	ROJECT DATA	
_	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION		
	KIRTLAND AIR FORCE BASE, NEW MEXICO		
	4. PROJECT TITLE	5. P	ROJECT NUMBER
	UPGRADE STORM DRAINAGE SYSTEM	M	HMV963010
	12. SUPPLEMENTAL DATA:		
	a. Estimated Design Data:		
İ	•		
	(1) Project to be accomplished by one step	p turn key pro	cedures
l	(2) Basis:		
	(a) Standard or Definitive Design -		NO
1	(b) Where Design Was Most Recently Use	ed -	N/A
ı	(,		.,,
	(3) Design Allowance .		85
Į	(0) 5523		00
l	(4) Construction Start		96 FEB
Į	(1)		
ĺ			
l			
l			
I	b. Equipment associated with this project will h	ne provided fro	n <b>m</b>
	other appropriations: N/A	ro provided in	****
	THE TELEPLE AND TO MAKE THE PARTY OF THE PAR		

1. COMPONENT				2. DA	TE
	FY 1996 MILITARY CO	NSTRUCTION 1	PROGRAM	l	
AIR FORCE	(computer	generated)			
3. INSTALLATION A	AND LOCATION	4. COMMAND		5. AR	EA CONS
				co	ST INDE
POPE AIR FORCE BA	ASE, NORTH CAROLINA	AIR COMBAT	COMMAND	0	.86
6. PERSONNEL	PERMANENT	STUDENTS	S SUP	PORTED	
STRENGTH	OFF ENL CIV	OFF ENL	CIV OFF	ENL CIV	TOTAL
a. As of 30 SEP 9				71	4,79
b. End FY 2000	550 3779 265			71	4,66
· · · · · · · · · · · · · · · · · · ·	7. INVENTORY	DATA (\$000)	)		
a. Total Acreage:	( 1,913)				
b. Inventory Tota	al As Of: (30 SEP 94)			112,80	04
c. Authorization	Not Yet In Inventory:			37,6	10
d. Authorization	Requested In This Pro	gram:		8,2	50
e. Authorization	Included In Following	Program:	(FY 1997)	7,6	50 ,
f. Planned In Nex	t Four Program Years:	\$			0
g. Remaining Defi	ciency:			86,80	00
h. Grand Total:				253,1	14
B. PROJECTS REQUE	STED IN THIS PROGRAM:	FY 1996			
CATEGORY			COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000	) START	CMPL
141-753 C-130 SÇ	QUADRON OPS/AMU AND	33,600	SF 6,10	0 AUG 94	DEC 9
AUDIOVI	SUAL SERVICES CENTER				
111-135 UNDERGRO	OUND FUEL STORAGE TANK	S 47	EA _ 2,15	0 AUG 94	SEP 9
		TOTAL:			
a. Future Proje	ects: Included in the	Following F	Program (F	Y 1997)	
721-312 DORMITOR	RY	200	PN 4,50	0	
331-155 INDUSTRI	AL WASTEWATER		LS 1,00	0	
	TMENT FACILITIES				
332-266 UPGRADE	SANITARY SEWER SYSTEM		LS 2,15	<u>o</u>	
		TOTAL:		0	
	cts: Typical Planned				.,
	Major Functions: A co				
	A-10 squadron, and tw	o C-130 squa	adrons; an	d Headqua	rters
Toint Special Ope					
1. Outstanding	pollution and safety	(OSH) defici	Lencies:		
a. Air poll				3,000	)
b. Water po	llution:			4,000	כ
	onal safety and healt	h:		(	)
d. Other En	vironmental:			(	)

1. COMPONENT								2.	DATE
	FY 19	96 MILITA	ARY CON	STRUC	TION P	ROJECT	DATA		
AIR FORCE		( 00	mputer	gene	rated)				
3. INSTALLATI	ON AND LO	CATION			4. PRO	JECT 1	CITLE		
ļ.					C-130	SQUADE	RON O	PS/AMU	AND
POPE AIR FORC	E BASE, N	ORTH CARC	LINA		AUDIO	/ISUAL	SERV	ICES C	ENTER
5. PROGRAM EL	EMENT 6.	CATEGORY	CODE 7	PRO	JECT NU	JMBER	8. P	ROJECT	COST(\$000)
2.72.31	i	141-753	J	TMK	4953012	2			6,100

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
C-130 SQUADRON OPS/AMU AND AUDIOVISUAL				
SERVICES CENTER	SF	48,200		4,904
SQUADRON OPERATIONS/AMU FACILITY	SF	44,000	100	(4,400
AUDIOVISUAL SERVICES CENTER	SF	4,200	120	( 504
SUPPORTING FACILITIES				595
UTILITIES	LS			( 205
PAVEMENTS	LS	6		( 155
LEASE INTERIM AMU FACILITIES	LS			( 160
DEMOLITION	SF	9,600	8	(75
SUBTOTAL				5,499
CONTINGENCY (5%)			i	275
TOTAL CONTRACT COST				5,774
SUPERVISION, INSPECTION AND OVERHEAD (6%)				346
TOTAL REQUEST				6,120
TOTAL REQUEST (ROUNDED)				6,100

- 10. Description of Proposed Construction: Materials and labor to construct a 44,000 SF steel frame structure with concrete masonry walls, reinforced concrete flooring, and standing seam metal roof. Includes fire suppression systems, and other necessary support. Construct a 4,200 SF facility of similar construction materials to relocate an existing Audiovisual Services Center. Demolish two existing facilities. Air Conditioning: 120 Tons.
- 11. REQUIREMENT: 86,000 SF ADEQUATE: 36,000 SF SUBSTANDARD: 0 PROJECT: Construct a consolidated C-130 squadron operations, aircraft maintenance unit (AMU), and an audiovisual services center. (New Mission) REQUIREMENT: This project is required to support the beddown of an additional C-130 squadron at Pope AFB. An adequate facility is required to plan, brief, and critique combat crews, direct flight operations, perform aircraft maintenance functions, and provide space for aircrew life support equipment storage, inspection, and servicing. A new audiovisual services center facility is also required. The existing substandard audiovisual center and a substandard AMU facility will be demolished as part of this requirement to provide a suitable site on the flightline for the new squadron operations facility. The C-130 AMU function will be housed in interim facilities during construction of the new facility. CURRENT SITUATION: There are no adequate facilities or sites available to house the new squadron operations/aircraft maintenance unit requirement. All existing facilities which can support this requirement are currently being used to full capacity for newly formed F-16, A-10, and C-130 composite wing squadrons. The only logical site which can support this requirement is currently the site for two inadequate facilities, one of which houses an aircraft maintenance unit, and the other an audiovisual

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

POPE AIR FORCE BASE, NORTH CAROLINA

4. PROJECT TITLE

5. PROJECT NUMBER

C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER

TMKH953012

services center. This C-130 squadron was initially supposed to relocate to another installation and was using temporary facilities until the relocation was implemented. In 1993, the DoD force structure realignment action authorized the C-130 squadron to remain assigned to Pope AFB. This action created a facility shortage at Pope AFB and the squadron does not have adequate space to fully support operations, maintenance, and life support functions. Facilities under temporary use by the squadron must be returned to their original use by composite wing functions.

IMPACT IF NOT PROVIDED: The squadron will remain scattered in temporary facilities and will be unable to conduct operations efficiently due to the lack of adequate space. This unacceptable arrangement will also not be conducive to the functional operation and organizational concept of the unit and will prevent the squadron from conducting operations, maintenance, and life support functions in a manner required for wartime missions.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade, new construction, leasing) was done. Because it indicates new construction is the only option that will meet operational requirements, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT		2. DATE								
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA								
AIR FORCE	(computer generated)									
3. INSTALLATI	ON AND LOCATION									
		i								
POPE AIR FORCE	POPE AIR FORCE BASE, NORTH CAROLINA									
4. PROJECT TI	4. PROJECT TITLE 5. PROJECT									
C-130 SQUADRO	N OPS/AMU AND AUDIOVISUAL SERVICES CENTER	TMKH953012								
12. SUPPLEME	NTAL DATA:									
a. Estimat	ed Design Data:									
(1) St		94 AUG 02								
	Date Design Started									
	Parametric Cost Estimates used to develop of	costs Y 35%								
	Percent Complete as of Jan 1995 Date 35% Designed.	94 AUG 26								
	Date Design Complete	95 DEC 06								
(6)	Date Design Complete	75 DEC 00								
(2) Ba	sis:									
, ,	Standard or Definitive Design -	YES								
(b)	Where Design Was Most Recently Used -	LITTLE R								
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)								
1 ' '	Production of Plans and Specifications	312								
1 ' '	All Other Design Costs	26								
, ,	Total	338								
1 ' '	Contract									
1	In-house	338								
(4) Co	nstruction Start	96 FEB								

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT										2	. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA										4	
AIR FORCE		(0	ompute	er c	gener	ated	i)				
3. INSTALLATI	3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
POPE AIR FORCE BASE, NORTH CAROLINA UNDERGROUND FUEL STORAGE TANKS											
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7.	PROJ	ECT	NUN	1BER	8. F	PROJECT	COST(\$000)
2.74.56C		411-135			TMKH	9730	01				2,150
9. COST ESTIMATES											
	UNIT COST										
	TTEM ULANTITY COST (COCO)										

9. COST ESTIMAT	res			
,			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	47		778
ABOVEGROUND STORAGE TANKS	EA	18	29,890	( 538)
TANK REMOVE/DISPOSAL	EA	29	8,280	( 240)
SUPPORTING FACILITIES				1,065
UTILITIES	LS			( 20)
SITE IMPROVEMENTS	LS			( 130)
SOIL REMEDIATION	LS	;		( 840)
TEMPORARY FACILITIES/FENCE	LS		•	( 60)
TEMPORARY FUEL SERVICE	LS			(15)
SUBTOTAL				1,843
CONTINGENCY (10%)				184
TOTAL CONTRACT COST				2,027
SUPERVISION, INSPECTION AND OVERHEAD (6%)				122
TOTAL REQUEST				2,149
TOTAL REQUEST (ROUNDED)				2,150

- 10. Description of Proposed Construction: Excavate/remove 29 underground storage tanks (USTs). Dispose of tank residue and test soil at each site. Remediate contaminated soil. Install 18 above ground storage tanks (ASTs), with all associated mechanical equipment to meet Federal and State compliance standards.
- 11. REQUIREMENT: As required.

<u>PROJECT</u>: Remove and replace underground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overfill prevention systems.

CURRENT SITUATION: Underground storage tanks at Pope AFB do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overfill/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations.

IMPACT IF NOT PROVIDED: Failure to replace these tanks will result in an unacceptable risk of pollution. Additionally, Pope AFB will not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. If project is not accomplished by the established deadline, the base will be in violation of the law subject to receiving Notices of Violation, fines and significant adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of

1. COMPONENT					2. D	ATE	
	FY 19	996 MILITARY CONST	RUCTION PROJECT DAT	ra	ļ		
AIR FORCE		(computer g	enerated)				
3. INSTALLAT	ION AND LO	OCATION					
POPE AIR FOR	CE BASE, 1	NORTH CAROLINA					
4. PROJECT TI	ITLE			5.	PROJECT	NUMBER	_
UNDERGROUND F	FUEL STORA	AGE TANKS			TMKH9730	001	

Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
IR FORCE	(computer generated)	
. INSTALLATI	ON AND LOCATION	
OPE AIR FORC	E BASE, NORTH CAROLINA	
. PROJECT TI		PROJECT NUMBER
NDERGROUND F	UEL STORAGE TANKS	TMKH973001
	NTAL DATA:	
a. Estimat	ed Design Data:	
	-	
(1) St		<b>.</b>
	Date Design Started	94 AUG 03
	Parametric Cost Estimates used to develop cost	
	Percent Complete as of Jan 1995	35€
• •	Date 35% Designed.	94 AUG 29
(e)	Date Design Complete	95 SEP 15
(2) Ba		
(a)	Standard or Definitive Design -	NO
(p)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a)	Production of Plans and Specifications	130
(b)	All Other Design Costs	82
(c)	Total	212
(d)	Contract	172
(e)	In-house	40
(4) Co	nstruction Start	95 NOV
. Equipment	associated with this project will be provided f	rom
ther appropr	iations: N/A	

1. COMPONENT		·								2. [	TAC		
1. COMPONENT	FY	1996 M	ILIT	ARY CO	NSTRUC	TION 1	PROGI	RAM				_	
AIR FORCE				puter (									
3. INSTALLAT	ON AND LO	CATION			4. CC	DMMAND				5. A	RE.	A CON	ST
SEYMOUR-JOHNS	ON AIR FO	ORCE BA	SE,							(		T IND	EX
NORTH CAROLIN	IAAI				AIR C	COMBAT	COM			<u> </u>	0.	86	
6. PERSONNEL	_		RMAN			UDENT			POR		_		_
STRENGTH	_	OFF		CIV		ENL	CIV		ENI	L C1		TOTA	
a. As of 30 S	SEP 94	455		ł				1		6 13	- 1	4,7	
b. End FY 200	00	567			<u> </u>	10000		1		6 13	30	5,4	60
				ENTORY	DATA	(\$000	)						
a. Total Acre		4,11		DD 041						196,	10	0	
b. Inventory	Total As	OI: (	30 S	EP 94)						190,			
c. Authorizat d. Authorizat	ion Not	ret in	n Th	ic Pro	aram•						83		
e. Authorizat	ion Reque	ded In	Fol	lowing	Progr	cam:	/FY 1	1997)		12,			
f. Planned Ir					11091	6	(	,			90	•	
g. Remaining										45,			
h. Grand Tota		-y.								276,			
8. PROJECTS F	REQUESTED	IN THI	S PR	OGRAM:	FY ]	1996							
CATEGORY								cosi	<u> </u>	DESIG	N :	STATU	s
CODE	PROJI	ECT TIT	LE		2	COPE		(\$000	<u>)</u>	STAF	<u>T</u>	CMP	<u>L</u>
871-183 UPGF	RADE STOR	M DRAIN	AGE :	SYSTEM			LS _		_	JUN 9	4	JUL	95
						TOTAL		83					
9a. Future F										997)			
141-753 F-15			TION	S/AMU/	4	18,000	SF	6,30	JU				
	DEMIC FAC		- n m	D			C E	6,60	20				
171-212 F-15				RAININ		26,000	or	0,00	,0				
SYS	TEM SUPPO	JRT CEN	TER			TOTAL		12,90	00				
9b. Future F	rojects:	Typic	al P	lanned	Next								
	FUEL STOR				•	4,000	SY	90	00				
730-142 ADD	TO FIRE S	STATION				5,500		1,00					
10. Mission	or Major	Functi	ons:	A fl	ying v	ving w	ith :	four I	7-15	figh	nte	r	
squadrons, or	e of which	ch cond	ucts	F-15E	initi	ial qua	alif	icatio	on t	raini	Lng	; and	,
a KC-10 air r	efueling	squadr	on (	schedu.	led to	depa:	rt w	ith ti	imin	g to	be		
<pre>determined);</pre>	and an Ai	ir Forc	e R <b>e</b>	ser <b>ve</b>	air re	efueli	ng w	ing w	ith (	one I	KC-	135	
squadron.								<del></del>					
11. Outstand	ling pollu	ution a	nd s	afety	(OSH)	defic.	ienc	es:					
										3,0	ገበባ	ı	
	pollution									7,2			
	r polluti			ha-14	h.					,,,	00.2		
	pational			nealt	11:						0		
d. Othe	er Environ	nmental	•										

I course						
1. COMPONENT	1006 400 000				2. DA	TE
	1996 MILITARY CO		PROGE	RAM		
AIR FORCE	(computer					
3. INSTALLATION AND L		4. COMMAND			1	EA CONST
GRAND FORKS AIR FORCE	BASE, NORTH	AIR MOBILI	TY			ST INDEX
DAKOTA		COMMAND			0	.98
6. PERSONNEL	PERMANENT	STUDENT	S	SUP	PORTED	L
STRENGTH	OFF ENL CIV	OFF ENL	CIV	OFF	ENL CIV	TOTAL
a. As of 30 SEP 94	718 3886 464			1	2 206	5,277
b. End FY 2000	712 3750 410			1	2 206	5,081
	7. INVENTORY	DATA (\$000	)			
a. Total Acreage: (						
b. Inventory Total As					329,6	35
c. Authorization Not					12,9	j.
d. Authorization Requi	_	~~~m.			•	4
<b>1</b> —	-			0051	14,80	L L
e. Authorization Incl	_	Program:	(FX I	.997)	•	
f. Planned In Next For	•				21,30	1
g. Remaining Deficient	cy:				39,5	
h. Grand Total:					424,68	35
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 1996				ļ
CATEGORY				COST	DESIGN	STATUS
CODE PROJ	ECT TITLE	SCOPE		(\$000	) START	CMPL
141-753 KC-135 SQUAD	RON OPERATIONS/	40,900	SF	6,30	0 MAR 94	MAR 95
AIRCRAFT MA	INTENANCE UNIT FA	2				
721-312 DORMITORY		180	PN	8,50	O MAY 94	SEP 95
		TOTAL	_	14,80	_	22. )
9a. Future Projects:	Included in the					
141-753 KC-135 SQUADI					•	
l ·	INTENANCE UNIT FA			0,50	· ·	
AIRCIGIT I	INIDAMICE CHII IM	TOTAL		6,50	<del>-</del>	
9b. Future Projects:	Tunion Diamod				<u> </u>	
113-321 UPGRADE AIRC					0	ŀ
690-000 PROCUREMENT			LS	6,40		Į.
		8,500		1,40		
721-312 ALTER DORMITO	DRY	253		4,20		i
721-312 DORMITORY	3	130	PN	4,30		
831-155 INDUSTRIAL W			LS	5,00	0	
TREATMENT FA						
	Functions: An a:					-135
squadrons; and an Air	Force Space Comma	and missile	grou	p wit	h three	
Minuteman III intercor	tinental ballist	c squadron	s wit	h HH-	1 helicop	ters).
	tion and safety					
	_					
a. Air pollution	1:				(	o
b. Water pollut:						
	safety and health	n :				
d. Other Environ		• •				
G. Other Environ					'	,
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						]
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1. COMPONENT			2. DATE
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE	(comput	er generated)	
3. INSTALLATION	N AND LOCATION	4. PROJECT	<b>PITLE</b>
		KC-135 SQUAI	ORON OPERATIONS/
GRAND FORKS AIR	R FORCE BASE, NORTH D.	AKOTA   AIRCRAFT MA:	INTENANCE UNIT FAC
5. PROGRAM ELEM	MENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.12.18	141-753	JFSD963500	6,300

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
KC-135 SQUADRON OPERATIONS/ AIRCRAFT				
MAINTENANCE UNIT FACILITY	SF	40,900	120	4,908
SUPPORTING FACILITIES				725
UTILITIES	LS			( 220)
PAVEMENTS	LS			( 165)
SITE IMPROVEMENTS	LS			( 190)
ELEVATOR	EA	' 1	100,000	( 100)
DEMOLITION	SF	2,900	17	(50)
SUBTOTAL				5,633
CONTINGENCY (5%)				282
TOTAL CONTRACT COST			i	5,915
SUPERVISION, INSPECTION AND OVERHEAD (6%)				355
TOTAL REQUEST				6,270
TOTAL REQUEST (ROUNDED)				6,300
	1			
		}		

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, site improvements, and all necessary support.

Air Conditioning: 80 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit
(Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of 26 additional KC-135s in the 3rd quarter of FY94. A total of 48 KC-135s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, life support, technical order library, scheduling,

standardization/evaluation, and locker rooms. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC. CURRENT SITUATION: There are no adequate facilities to support KC-135 consolidated Sq Ops/AMU operations at Grand Forks AFB. Existing Sq Ops/AMU operations are conducted in five facilities which are substandard, inadequately sized, and not properly configured to accommodate

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	2. DATE
AIR FORCE (computer generated)	<b>D</b>	
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5.	PROJECT NUMBER
KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT H	FAC	JFSD963500

consolidated operations. They are widely scattered creating fragmented lines of communications/authority. Aircrews and aircraft maintainers spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. One facility totalling 2,900 square feet will be demolished as a result of this project. The remaining four existing facilities will be reused as interim facilities for other requirements.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated substandard buildings and will rever develop the

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated substandard buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. The physical separation will continue to hamper the lines of authority and communications throughout the squadron.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

T		
1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA .
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
GRAND FORKS A	IR FORCE BASE, NORTH DAKOTA	
4. PROJECT TI	TLE	5. PROJECT NUMBER
KC-135 SQUADR	ON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	JFSD963500
12. SUPPLEME	NTAL DATA:	
7	ad Parker Pake	i
a. Estimat	ed Design Data:	
(1) St	atus:	
, ,	Date Design Started	94 MAR 29
	Parametric Cost Estimates used to develop c	
	Percent Complete as of Jan 1995	45%
	Date 35% Designed.	94 OCT 01
	Date Design Complete	95 MAR 03
. (2) Ba		
	Standard or Definitive Design -	YES
(b)	Where Design Was Most Recently Used -	TRAVIS
(3) To	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	369
	All Other Design Costs	205
	Total	574
1	Contract	26
' '	In-house	548
(4) Cor	struction Start	95 DEC
		· -

b. Equipment associated with this project will be provided from other appropriations: N/A

Page No

	1. COMPONENT			2. DATE
		FY 1996 MILITARY CO	NSTRUCTION PROJECT DATA	A
	AIR FORCE	(compute	er generated)	
	3. INSTALLATION A	AND LOCATION	4. PROJECT TITLE	ε
	GRAND FORKS AIR I	FORCE BASE, NORTH DA	KOTA DORMITORY	
1	5. PROGRAM ELEMEN	NT 6. CATEGORY CODE	7. PROJECT NUMBER 8. I	PROJECT COST(\$000)

JFSD998002 8,500 4.18.96 721-312

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (180 PN)	-			6,208
DORMITORY	SF	64,000	95	(6,080)
AUTOMATIC SPRINKLER PROTECTION	SF	64,000	2	( 128)
SUPPORTING FACILITIES				1,400
UTILITIES	LS		i	( 650)
PAVEMENTS	LS	į.		( 450)
SITE IMPROVEMENTS	LS			( <u>300</u> )
SUBTOTAL		!		7,608
CONTINGENCY (5%)				380
TOTAL CONTRACT COST				7 <b>,9</b> 88
SUPERVISION, INSPECTION AND OVERHEAD (6%)				479
TOTAL REQUEST				8,467
TOTAL REQUEST (ROUNDED)			•	8,500
				•
	1			
	1			
		1		i

Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, structural frame, masonry walls, sloped metal roof, fire protection, and site improvements. Includes room-bath-room modules, laundries, storage and lounge areas, and necessary support.

Air Conditioning: 120 Tons. Grade Mix: 180 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 180 personnel: 180 E1-E4, with a maximum utilization of 180 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements for unaccompanied enlisted personnel at this installation. There are over 320 enlisted personnel living off base due to lack of on-base quarters. This project will significantly reduce the base dormitory deficiency.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction for the enlisted force will continue to be degraded. Unaccompanied enlisted personnel will also have to continue living off-base resulting in a payment of \$873,000 of BAQ/VHA/BAS allowances annually.

ADDITIONAL: This project meets the criteria/scope specified in the new

•	1. COMPONENT		2. DA	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ΓA		
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			
	GRAND FORKS AIR FORCE BASE, NORTH DAKOTA			
	4. PROJECT TITLE	5. P	ROJECT	NUMBER
	DORMITORY	J	FSD9980	002

uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending enlisted personnel off base, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD-approved unit cost factor for dormitories.

	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
R FORCE		(computer generated)	
INSTALI	LATIO	ON AND LOCATION	
AND FORI	KS AI	R FORCE BASE, NORTH DAKOTA	
PROJECT			PROJECT NUMBER
DVIMODY			1D0D000000
RMITORY			JFSD998002
. SUPPI	LEMEN	ITAL DATA:	
a. Est	imate	ed Design Data:	•
(1)	Sta	itus:	
` '		Date Design Started	94 MAY 16
	(b)	Parametric Cost Estimates used to develop cost	cs Y
		Percent Complete as of Jan 1995	45%
		Date 35% Designed.	94 OCT 01
	(e)	Date Design Complete	95 SEP 28
(2)	Bas	sis:	
		Standard or Definitive Design -	YES
	(p)	Where Design Was Most Recently Used -	GRAND FO
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	352
		All Other Design Costs	270
	(c)		622
	(d)	Contract In-house	622
	(6)	In-nouse	622
(4)	Con	struction Start	95 DEC
		associated with this project will be provided f	from
		associated with this project will be provided fations: $N/A$	from
			Erom
			from
			from
			from
			from
			from
			from
			from
			Erom
			from
			from
			Erom
			Erom
			from

1. COMPONENT				2	. DA	re	
	Y 1996 MILITARY CO	NSTRUCTION 1	PROGRAM				
AIR FORCE	(computer	generated)					
3. INSTALLATION AND	LOCATION	4. COMMAND		5	. ARI	EA CONST	
					COS	ST INDEX	
MINOT AIR FORCE BASE	E, NORTH DAKOTA	AIR COMBAT	COMMAND		1.	.10	
6. PERSONNEL	PERMANENT	STUDENTS	s su	PPORTE		_	
STRENGTH	OFF ENL CIV	OFF ENL	CIV OFF				
a. As of 30 SEP 94	653 3942 525		1				
b. End FY 2000	651 3968 536		1	16	37	5,209	
	7. INVENTORY	DATA (\$000)	)				
	5,385)						
b. Inventory Total	As Of: (30 SEP 94)				00,71		
c. Authorization Not	Yet In Inventory:				11,25	50	
d. Authorization Red					1,55	50	
e. Authorization Ind	cluded In Following	Program:	(FY 1997)			0 ,	
f. Planned In Next 1	Four Program Years:	4			28,65	50	
g. Remaining Deficie	ency:				74,150		
h. Grand Total:				4	16,31	L3	
8. PROJECTS REQUEST!	D IN THIS PROGRAM:	FY 1996					
CATEGORY			cos		SIGN	STATUS	
CODE PRO	JECT TITLE	SCOPE	(\$00	<u>0) s</u>	TART	CMPL	
411-134 UNDERGROUNI	FUEL STORAGE TANK		EA 1,5		G 94	OCT 95	
		TOTAL:			<u> </u>		
	: Included in the			FY 199	7) NC	DNE	
9b. Future Projects		Next Four		00			
113-321 UPGRADE PAR			LS 4,5				
121-122 UPGRADE HYI			LS 15,7				
130-837 SECURITY PO		500	SF 3	50			
FACILITIES				00			
821-113 UPGRADE CEN			LS 3,1				
831-155 INDUSTRIAL			Ls 5,0	00			
	FACILITIES		D . E	217			
10. Mission or Majo	or Functions: A bo	mp wing with	1 EWO B-5	2H SQU	adroi	is and	
an Air Force Space (	command missile gro	up with thre	e minute	man II	1		
intercontinental bal				crait.			
11. Outstanding pol	lution and safety	(OSH) delica	rencies:				
					3,000	1	
a. Air polluti							
b. Water pollu		<u>.</u>		1	9,190		
_	l safety and healt	n:				)	
d. Other Envir	onmental:				C	,	

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONS	TRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATION	N AND LOCATION	4. PROJECT TITLE	
MINOT AIR FORCE	E BASE, NORTH DAKOTA	UNDERGROUND FUEL S	TORAGE TANKS
5. PROGRAM ELEM	MENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PRO	JECT COST(SOOO)

2.74.500	411-134	QJVF96200	UZ			1,550	0
	9. COST	ESTIMATES					
					UNIT	CO	ST
	ITEM	ען /	/M Ç	YTITMAU	COST	(\$0	00)
UNDERGROUND FUEL ST	TORAGE TANKS	EA	A	26			682
REPLACE UNDERGROU	JND TANKS	EA	A.	10	40,000	(	400)
UPGRADE EXISTING	UNDERGROUND TANKS	EA	A	5	34,400	(	172)
REMOVE UNDERGROUP	ND TANKS	EA	A	11	10,000	i	110)
SUPPORTING FACILITI	IES					•	640
SITE IMPROVEMENTS	S/REMEDIATION	LS	s	j		(	640)
SUBTOTAL						` <u> </u>	,322
CONTINGENCY (10%)			İ				132
TOTAL CONTRACT COST	r ·	ŀ				1	,454
SUPERVISION, INSPEC	CTION AND OVERHEAD	(6%)					87
TOTAL REQUEST		1				1,	,541
TOTAL REQUEST (ROUN	IDED)					1	,550
				1	1		
				1			
•							

- 10. Description of Proposed Construction: Remove 11 underground storage tanks (USTs). Dispose of tank, sludge, and test soil at each site. Remediate contaminated soil. Install 10 new double-walled underground tanks & upgrade 5 existing tanks with double-wall piping, interstitial leak detectors, cathodic protection and spill/overfill protection.
- 11. REQUIREMENT: As required.

PROJECT: Remove, replace and upgrade underground fuel storage tanks
(USTs). (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. Upgrade all USTs regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection, corrosion protection, and spill/overfill prevention systems. Adequate fuel storage, properly designed and located, is required to comply with wing mission requirements. All petroleum dispensing and operating facilities must be provided with a positive means for preventing release of pollutants into the surrounding environment.

CURRENT SITUATION: USTs at Minot AFB facilities do not meet federal law (40 CFR 280) and state requirements for leak detection, cathodic protection, and spill/overfill protection. These deficiencies must be corrected by December 1998 to prevent violation of federal UST regulations.

IMPACT IF NOT PROVIDED: Failure to replace these tanks at Minot AFB will result in an unacceptable risk of pollution. Additionally, Minot AFB will fail to be in compliance with federal and state environmental requirements, thereby subjecting the base to enforcement actions and monetary penalties. If this project is not accomplished by the

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	
4. PROJECT TITLE UNDERGROUND FUEL STORAGE TANKS	5. PROJECT NUMBER QJVF962002

established deadline, December 1998, the base will be in violation of the law and subject to receiving Notices of Violation, fines and significant adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	A
IR FORCE	(computer generated)	
. INSTALLATIO	ON AND LOCATION	
INOT AIR FOR	CE BASE, NORTH DAKOTA	
. PROJECT TI	TLE .	5. PROJECT NUMBER
		0.71170(0.000
NDERGROUND FO	JEL STORAGE TANKS	QJVF962002
2. SUPPLEME	VTAL DATA:	
Z. Coll DDill.	71111 D111	
a. Estimate	ed Design Data:	
(1) Sta	atus:	
	Date Design Started	94 AUG 15
	Parametric Cost Estimates used to develop co	osts }
• •	Percent Complete as of Jan 1995 '	359
(d)	Date 35% Designed.	94 SEP 15
(e)	Date Design Complete	95 OCT 10
(2) Bas	sis:	
(a)	Standard or Definitive Design -	NO
(p)	N/A	
(3) Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a)	Production of Plans and Specifications	93
(b)	All Other Design Costs	
(c)	Total	93
(d)	Contract	
(e)	In-house	93
(4) Cor	struction Start	96 APF
. Equipment	associated with this project will be provided	d from
	ations: N/A	- 110m

1. COMPONENT									2.	DAT	Έ	
	FY 199	6 MILIT				PROG	RAM					
AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA CON												
1	3. INSTALLATION AND LOCATION							Í				
WRIGHT-PATTERSON AIR FORCE BASE,					FORCE			İ	1		T IN	DEX
OHIO				1	RIEL C					0.	89	
6. PERSONNEL	-	PERMAN		<del>                                     </del>	TUDENT			PORT				
STRENGTH	<del></del>	F ENL	CIV	OFF		CIV	<del></del>	ENL		IV		
a. As of 30 S		3043		1 1			92			16	22,	
b. End FY 200	0   307	8 2952					92	11	0	16	18,	641
		7. INV	ENTORY	DATA	(\$000	)						
a. Total Acre	•	,245)										
b. Inventory		•	-						854			1
c. Authorizat										, 67		
d. Authorizat										,10		
e. Authorizat			_	_		(FY ]	1997)			, 40		1
f. Planned In		rogram '	Years:		:					, 65		1
g. Remaining	_								150			
h. Grand Tota		= 0						1,	121	,92	6	
8. PROJECTS R	EQUESTED IN	THIS PRO	OGRAM:	FY 1	.996							1
CATEGORY							COST	_			STAT	<u>us</u>
CODE	PROJECT	TITLE		5	COPE		(\$000	<u> </u>	STAI	RT	CM	PL
						_		_				
813-231 UPGR						LS	4,100	) J	UN 9	94	AUG	95
DIS	TRIBUTION SY	STEM				-		-				
7		-1 -1 -1			TOTAL		4,100		07.			$-\!\!\!\!+$
	rojects: In								9/)			
171-851 ADD				3	6,000	Sr	7,500	J				
	RESEARCH LA		ı	0	4,500	C F2	0 00/	,				
311-173 RENO	VATE ACQUIST AGEMENT FACI		unen II		4,500	21	9,900	,				
871-183 UPGR						LS	2,000	`				- }
0/1-103 UFGR	ADE STORM DR	AINAGE :	SISIEM		TOTAL:	_	19,400					
9b. Future P	rojects: Ty	nical Pi	lanned									$\overline{}$
171-851 AFIT	-	-			2,500		9,400	)				
411-135 FUEL					2,500	LS	600		URN	KE	Y	
610-127 BASE			иотте	2	6,000	_		_			-	}
	ADE HEAT PLA			_	0,000	LS	4,150					
	TROL SYSTEM						., 20	-				1
	or Major Fun	ctions:	Heado	uarte	rs Air	For	ce Mai	teri	el (	Com	mand	;
an air base w	-		-	-								- 1
Aeronautical												
Joint Logistic											•	.
Intelligence	_										erve	
airlift wing												
medical center			,				,		٠ ر	-		
	ing pollutio	n and sa	afetv (	OSH)	defici	enci	.es:					$\neg$
	J F		1 (	. = ,			•					- 1
a. Air	pollution:								4,2	200		- 1
-	pollution:									000		- 1
	pational safe	ety and	health	1:					•	0		
_	r Environmen									0		
		-										1

1. COMPONENT			2. DATE			
	FY 1996 MILITARY CON	STRUCTION PROJECT DATA				
AIR FORCE	(computer	generated)				
3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
UPGRADE ELECTRICAL						
WRIGHT-PATTERS	WRIGHT-PATTERSON AIR FORCE BASE, OHIO DISTRIBUTION SYSTEM					
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)						

7.20.00	613-231	201 A 3 1 2 5 1 2 5 1 4			4,100
9. COST ESTIMATES					
· · · · · · · · · · · · · · · · · · ·		i i		UNIT	COST
	ITEM	א/ט	QUANTITY	COST	(\$000)
UPGRADE ELECTRICAL	DISTRIBUTION SYSTEM				3,350
UPGRADE SUBSTATI	ONS	Ls			(2,300)
UPGRADE DISTRIBU	JTION SYSTEM	LS			(1,050)
SUPPORTING FACILITY	CIES	ļ			150
PAVEMENTS		Ls			( 45)
SITE IMPROVEMENT	rs	LS	1		(105)
SUBTOTAL			·		3,500
CONTINGENCY (10%)					350
TOTAL CONTRACT COS	ST	i			3,850
SUPERVISION, INSPECTION AND OVERHEAD (6%)		%)			231
TOTAL REQUEST					4,081
TOTAL REQUEST (ROU	JNDED)				4,100
					f
			[		1

- 10. Description of Proposed Construction: Replace 6.9KV transformers at two substations with 12KV transformers and stepdown transformers at various facilities. Includes replacement of switches, relays, ancillary items and partial replacement of distribution lines.
- 11. REQUIREMENT: As required.

7.28.06

PROJECT: Upgrade an electrical distribution system. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A reliable electrical distribution system is required to provide continuous electric service to various mission essential facilities, most of which support research and development activities. The existing system must be upgraded to meet current electrical codes, improve system reliability and efficiency, and to replace obsolete equipment which is no longer in production.

CURRENT SITUATION: Most of the base electrical distribution has been converted to 12KV system consisting of efficient and reliable components. However, some of the facilities are still served by a forty-year-old system which operates at 6.9KV, which is inefficient and unreliable. Replacement transformers are not commercially available and must be custom manufactured at a premium price. A recent transformer failure resulted in a laboratory being without power for three days before a connection to a 12KV line could be completed. Another leaking but operational transformer was used for a year before a replacement could be obtained and installed. IMPACT IF NOT PROVIDED: Transformer failures will lead to longer power outages for facilities such as system program offices and laboratories. This will result long delays in laboratories activities and increased operation and maintenance cost.

ADDITIONAL: There is no criteria/scope for this project in Part II of

4.100

1. COMPONENT			2. D	ATE
	FY 1996 MILITARY CONSTRUCTION	PROJECT DATA		
AIR FORCE	(computer generate	ed)		
3. INSTALLAT	ION AND LOCATION			
WRIGHT-PATTER	RSON AIR FORCE BASE, OHIO			
4. PROJECT T	TLE	5.	PROJECT	NUMBER
HPGPADE ELECT	PRICAL DISTRIBUTION SYSTEM		ZHTV9732	204

Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has has been prepared.

AIR FORCE 3. INSTALLA		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
3. INSTALLA	• (computer generated)	
	TION AND LOCATION	
	ERSON AIR FORCE BASE, OHIO	
PROJECT	TITLE	5. PROJECT NUMBER
inanana ara		
PGRADE ELE	TRICAL DISTRIBUTION SYSTEM	ZHTV973204
12. SUPPLE	MENTAL DATA:	
.z. borrne	ENIAL DAIA:	
a. Estim	ted Design Data:	
	•	
(1)	Status:	
(	) Date Design Started	94 JUN 15
(	) Parametric Cost Estimates used to develop	costs
(	c) Percent Complete as of Jan 1995	359
(	l) Date 35% Designed.	94 DEC 20
(	e) Date Design Complete	95 AUG 25
425	dasis:	
` '	) Standard or Definitive Design -	·
	Standard of Definitive Design =     Where Design Was Most Recently Used =	NO
ν.	miere besign was most Recently used -	N/A
(3)	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	) Production of Plans and Specifications	240
	All Other Design Costs	130
(	) Total	370
(0	) Contract	310
(•	) In-house	60
	Onstruction Start	
	ONSCIDENCE SCALE	96, FEE
(4)	<del>-</del>	

AND LOCATION  BASE, OKLAHOMA  PERMANENT  OFF ENL CI  401 1767 16  7. INVENTO  1. (4,698)  1. (30 SEP 9)  1. (Not Yet In Inventor	4. COMM AIR EDU AND TRA STUD IV OFF E 488 322 533 322 DRY DATA (\$	AND CATION INING CO ENTS NL CIV 239 239	OMMAND SUPPO	cos	EA CONS ST INDE 92 TOTAL 4,02 4,44
AND LOCATION  BASE, OKLAHOMA  PERMANENT  OFF ENL CI  401 1767 16  7. INVENTO  1. (4,698)  1. (30 SEP 9)  1. (Not Yet In Inventor	4. COMM AIR EDU AND TRA STUD IV OFF E 488 322 533 322 DRY DATA (\$	AND CATION INING CO ENTS NL CIV 239	SUPPO OFF I	COS ORTED ENL CIV 6 72	TOTAL
BASE, OKLAHOMA  PERMANENT  OFF ENL CI  94 284 2611 4  401 1767 16  7. INVENTO  2: ( 4,698)  al As Of: (30 SEP 9)  Not Yet In Inventor	AIR EDU AND TRA STUD IV OFF E 488 322 533 322 ORY DATA (\$	CATION INING CO ENTS NL CIV 239	SUPPO OFF I	COS ORTED ENL CIV 6 72	TOTAL
PERMANENT OFF ENL C1 94 284 2611 4 401 1767 16 7. INVENTO 2: ( 4,698) tal As Of: (30 SEP 9) 1 Not Yet In Inventor	AND TRA  STUD  IV OFF E  488 322  533 322  ORY DATA (\$	INING COENTS NL CIV 239	SUPPO OFF I	ORTED CIV 6 72	92 TOTAL 4,02
PERMANENT OFF ENL C1 94 284 2611 4 401 1767 16 7. INVENTO 2: ( 4,698) tal As Of: (30 SEP 9) 1 Not Yet In Inventor	STUD  IV OFF E  488 322  533 322  ORY DATA (\$	ENTS NL CIV 239 239	SUPPO OFF I	ORTED ENL CIV 6 72	TOTAL 4,02
OFF ENL C1 94 284 2611 4 401 1767 16 7. INVENTO 2: ( 4,698) tal As Of: (30 SEP 9) 1 Not Yet In Inventor	IV OFF E 488 322 533 322 DRY DATA (\$	NL CIV 239 239	OFF I	ENL CIV 6 72	4,02
94 284 2611 4 401 1767 16 7. INVENTO 2: ( 4,698) cal As Of: (30 SEP 9 1 Not Yet In Inventor	488 322 533 322 DRY DATA (\$	239 239	1	6 72	4,02
401 1767 16 7. INVENTO 2: ( 4,698) 2al As Of: (30 SEP 9 3 Not Yet In Inventor	333 322 SORY DATA (\$	239	1 1	-	
7. INVENTO e: ( 4,698) tal As Of: (30 SEP 9 n Not Yet In Inventor	ORY DATA (\$		1 1	6 72	4,44
e: ( 4,698) cal As Of: (30 SEP 9 n Not Yet In Inventor		000)			<del></del>
cal As Of: (30 SEP 9	94)				
Not Yet In Inventor	94)				
				186,23	7
	ry:			77,76	0
Requested In This F	Program:			1,20	0
Included In Followi	ing Program	: (FY :	1997)	4,00	0
ext Four Program Year				6,50	0
				13,56	0 .
1		í.			•
ESTED IN THIS PROGRA	M: FY 199	6			
			COST	DESIGN	STATUS
PROJECT TITLE	sco	PΕ	(S000)		CMPL
	====	_	14/		
AINING FACILITY		1 EA	1.200	JUN 94	JUL 9!
	TO	_			
ects: Included in t	he Followin	ng Progr	am (FY	1997)	
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	,		.,		
4	TO	TAT.: -	4.000		
ects. Typical Plann					
= = =	led Next FO				
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	niw mobili				
					C-141
also designated to	be the pri	mary bas	e for t	raining	C-17
11 11 11 11 11 11 11	(0.011)	<u> </u>			
pollution and safet	y (OSH) dei	ticienci	.es:		
				•	
lution:				0	
ollution:				0	
ollution: ional safety and hea nvironmental:	ilth:			0	
	PROJECT TITLE  RAINING FACILITY  Sects: Included in to DEVELOPMENT CENTER  EX  PECTS: Typical Plans  TOWER  JET FUEL STORAGE  Major Functions: And Provided in the County of the County	PROJECT TITLE  RAINING FACILITY  Gects: Included in the Following DEVELOPMENT CENTER  POST TOWER  JET FUEL STORAGE  Major Functions: An air mobilist C-141 squadron responsible for KC-135 air refueling squadron also designated to be the principal pollution and safety (OSH) designations.	PROJECT TITLE  RAINING FACILITY  PROJECT TITLE  RAINING FACILITY  PROJECT TITLE  RAINING FACILITY  PROJECT TITLE  RAINING FACILITY  PROJECT TITLE  SCOPE  TOTAL:  PROJECT TITLE  PROJECT T	DESTED IN THIS PROGRAM: FY 1996  COST  PROJECT TITLE  RAINING FACILITY  1 EA 1,200  TOTAL: 1,200  GECTS: Included in the Following Program (FY 29,000 SF 4,000 CX  TOTAL: 4,000  EX  TOTAL: 4,00	JESTED IN THIS PROGRAM: FY 1996  PROJECT TITLE  SCOPE  COST  PROJECT TITLE  RAINING FACILITY  1 EA 1,200 JUN 94  TOTAL: 1,200  DEVELOPMENT CENTER  29,000 SF 4,000  EX  TOTAL: 4,000  DEVELOPMENT CENTER  1 EA 2,550  DETT FUEL STORAGE  LS 3,950  Major Functions: An air mobility wing with one C-5  C-141 squadron responsible for training all C-5 and KC-135 air refueling squadron responsible for training also designated to be the primary base for training pollution and safety (OSH) deficiencies:

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

ALTUS AIR FORCE BASE, OKLAHOMA

FIRE TRAINING FACILITY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.57.56

179-511

AGGN953002

1,200

COST (\$000)
(\$000)
050
850
210
( 80)
( 60)
(70)
1,060
53
1,113
67
1,180
1,200

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since April 1990; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using a mock-up structure with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

	1. COMPONENT		2. D	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A		
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			
_	ALTUS AIR FORCE BASE, OKLAHOMA			
	4. PROJECT TITLE	5. P	ROJECT	NUMBER
	FIRE TRAINING FACILITY	A	GGN9530	002

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	
ALTUS AIR FORC	CE BASE, OKLAHOMA	
. PROJECT TIT		. PROJECT NUMBE
IRE TRAINING	FACILITY	AGGN953002
2. SUPPLEMEN	ITAL DATA:	
a. Estimate	ed Design Data:	
		·
(1) Sta	tus: Date Design Started	94 JUN 2
• •	Parametric Cost Estimates used to develop cos	
	Percent Complete as of Jan 1995 :	sts · 60
• •	Date 35% Designed.	94 JUL 19
• • •	Date Design Complete	95 JUL 1
(2) Bas	ia.	
***	Standard or Definitive Design -	YES
• •	Where Design Was Most Recently Used -	MOODY
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	50
	All Other Design Costs	10
	Total	66
	Contract	0.
, ,	In-house	66
(4) Con	struction Start	96 JAI

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROGRAM	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION 4. COMMAND	5. AREA CONST
AIR FORCE	COST INDEX
TINKER AIR FORCE BASE, OKLAHOMA MATERIEL COMMAND	0.92
6. PERSONNEL PERMANENT STUDENTS SUPP	PORTED
	ENL CIV TOTAL
a. As of 30 SEP 94 1430 5995 11678 231	961 770 22,065
b. End FY 2000   1277   5952   10440   231	961 770 20,631
7. INVENTORY DATA (\$000)	
a. Total Acreage: ( 4,966)	
b. Inventory Total As Of: (30 SEP 94)	700,311
c. Authorization Not Yet In Inventory:	62,472
d. Authorization Requested In This Program:	5,100
e. Authorization Included In Following Program: (FY 1997)	
f. Planned In Next Four Program Years:	50,100
g. Remaining Deficiency:	124,100
h. Grand Total:	958,663
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996	730,003
CATEGORY COST	DESIGN STATUS
CODE PROJECT TITLE SCOPE (\$000)	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>
721-312 ADD TO AND ALTER DORMITORIES 140 PN 5,100	DEC 92 SEP 93
TOTAL: 5,100	
9a. Future Projects: Included in the Following Program (FY	
214-425 CONSOLIDATED VEHICLE 168,000 SF 8,300	
MAINTENANCE FACILITY (DBOF)	
871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,880	TURN KEY
880-232 B-2 ADD TO HANGAR FIRE LS 5,400	
PROTECTION SYSTEM	
TOTAL: 16,580	
9b. Future Projects: Typical Planned Next Four Years:	
123-335 VEHICLE FUELING STATION 8 OL 850	
211-157 EQUIPMENT STAGING FACILITY 9,000 SF 650	
211-254 FUEL CONTROL ASSEMBLY OVERHAUL 86,500 SF 13,200 FACILITY	
610-287 ENGINEERING AND INSTALLATION 66,000 SF 8,800 FACILITY	
880-000 FIRE & OTHER ALARM SYSTEMS 230,000 SF 1,000	
10. Mission or Major Functions: Oklahoma City Air Logistic	
is responsible for logistics management, support, and depot-	
maintenance of E-3, B-1, B-2, B-52, and KC-135 aircraft, and	
engines; an air base wing; an Air Combat Command air control	
	rne command
three E-3 airborne air control squadrons and an EC-135 airbo	
three E-3 airborne air control squadrons and an EC-135 airbo	C-135
engines; an air base wing; an Air Combat Command air control three E-3 airborne air control squadrons and an EC-135 airbo and control squadron; an AFRES air refueling wing with one K- squadron; an ACC communications group; and an engineering in wing. A major tenant is the US Navy TACAMO wing (E-6 aircra	C-135 stallation
three E-3 airborne air control squadrons and an EC-135 airbo and control squadron; an AFRES air refueling wing with one K squadron; an ACC communications group; and an engineering in wing. A major tenant is the US Navy TACAMO wing (E-6 aircra	C-135 stallation
three E-3 airborne air control squadrons and an EC-135 airboand control squadron; an AFRES air refueling wing with one Kaquadron; an ACC communications group; and an engineering in wing. A major tenant is the US Navy TACAMO wing (E-6 aircra	C-135 stallation
three E-3 airborne air control squadrons and an EC-135 airbornd control squadron; an AFRES air refueling wing with one Kaquadron; an ACC communications group; and an engineering in ving. A major tenant is the US Navy TACAMO wing (E-6 aircratl. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:	C-135 stallation ft). 3,500
three E-3 airborne air control squadrons and an EC-135 airborne and control squadron; an AFRES air refueling wing with one Kaguadron; an ACC communications group; and an engineering in ving. A major tenant is the US Navy TACAMO wing (E-6 aircrall. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution:	C-135 stallation ft).  3,500 2,900
three E-3 airborne air control squadrons and an EC-135 airbornd control squadron; an AFRES air refueling wing with one K squadron; an ACC communications group; and an engineering in ving. A major tenant is the US Navy TACAMO wing (E-6 aircra 1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	C-135 stallation ft).  3,500 2,900 0
three E-3 airborne air control squadrons and an EC-135 airbornd control squadron; an AFRES air refueling wing with one Kinguadron; an ACC communications group; and an engineering in ving. A major tenant is the US Navy TACAMO wing (E-6 aircra 1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	C-135 stallation ft).  3,500 2,900

1. COMPONENT			2. DATE				
F	y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA				
AIR FORCE	(compute	er generated)					
3. INSTALLATION AN	LOCATION	4. PROJECT	TITLE				
TINKER AIR FORCE B	TINKER AIR FORCE BASE, OKLAHOMA ADD TO AND ALTER DORMITORIES						
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)				
7.28.96	721-312	WWYK880038	5,100				

9. COST ESTIMATES

		1		
!			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ADD TO AND ALTER DORMITORIES (140 PN)	SF	57,000		3,638
ADDITION	SF	6,500	76	( 494)
ALTERATION	SF	50,500	60	(3,030)
AUTOMATIC SPRINKLER SYSTEM	SF	57,000	2	( 114)
SUPPORTING FACILITIES				760
UTILITIES	LS			( 240)
PAVEMENTS	LS	1		( 120)
SITE IMPROVEMENTS	LS			( 50)
ASBESTOS REMOVAL	LS			( <u>350</u> )
SUBTOTAL				4,398
CONTINGENCY (10%)				440
TOTAL CONTRACT COST				4,838
SUPERVISION, INSPECTION AND OVERHEAD (6%)				290
TOTAL REQUEST				5,128
TOTAL REQUEST (ROUNDED)				5,100

10. Description of Proposed Construction: Alter interior partitioning to provide room-bath-room modules, exterior entrances and balconies; extend roofline and upgrade exterior; install cable TV system; upgrade laundry rooms, HVAC and utility systems, remove asbestos and provide necessary support.

Air Conditioning: 150 Tons. Grade Mix: 140 El-E4.

11. REQUIREMENT: As required.

PROJECT: Add to and alter two dormitories. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs which these people must perform. Estimated intended utilization is 140 personnel: 140 El-E4, with a maximum utilization of 140 personnel. CURRENT SITUATION: The buildings were constructed in 1960 when functional criteria and standards of construction for bachelor quarters were considerably lower. Common latrines, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems, and lack of privacy are major deficiencies of these facilities. IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of enlisted personnel assigned to this base.

<u>ADDITIONAL</u>: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DA	1 -	. DATE
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJE	ECT NUMBER
ADD TO AND ALTER DORMITORIES	WWYK	3800 <b>3</b> 8

revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

IR FORCE					ATE	
	1	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA			
. INSTALL		(computer generated)				
	ATIC	N AND LOCATION				
INKER AIR	FOR	CE BASE, OKLAHOMA				
. PROJECT	TIT :	LE	5. PRO	OJECT	NUMB	ER
DD TO AND	ALT	ER DORMITORIES	WW	YK8800	038	
2. SUPPL	EMEN	TAL DATA:				
a. Esti	.mate	d Design Data:				
(1)	Sta	itus:				
	(a)	Date Design Started		92	DEC	21
	(b)	Parametric Cost Estimates used to develop	costs			N
	(C)	Percent Complete as of Jan 1995			10	0%
	(d)	Date 35% Designed.		93	MAR	05
	(e)	Date Design Complete		93	SEP	15
(2)	Bas	is:				
	(a)	Standard or Definitive Design -		YE	ES	
	(p)	Where Design Was Most Recently Used -	•	TI	NKER	
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):			(\$0	00
	(a)	Production of Plans and Specifications			1	25
		All Other Design Costs				
		Total			1	25
		Contract				
	(e)	In-house			1	25
(4)	Con	struction Start			96 F	ΕP

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	,	······································						2. D	ATE		
	FY 1996 MILITA	RY CON	ואדפוור	י מסודי	PROGI	RAM	1				
AIR FORCE		uter g					1				
3. INSTALLATION AN				MMAND				5. A	REA	COI	NSI
CHARLESTON AIR FOR				OBILI	rγ		1		OST		
CAROLINA	CD DROD, DOOTS	í	COMMA		• •				0.8		
6. PERSONNEL	PERMANE			UDENT	<u> </u>	SUP	PORT		7		
STRENGTH	OFF ENL		OFF			OFF	ENL		$\overline{v}$ :	TOT	AL
a. As of 30 SEP 94	+				-	4		6 4		5,2	
b. End FY 2000	480 3016					4	2		0	4,5	
	7. INVE		DATA	(5000)	\	<u> </u>					
a. Total Acreage:				(4000							
b. Inventory Total		P 941						160,	413		
c. Authorization No								36,			
d. Authorization Re			ram:					12,			
e. Authorization I				am:	FY 1	9971		35,			
f. Planned In Next		-	9-			,		19,			
g. Remaining Defic	_							89,			
h. Grand Total:	2007.							353,8			
8. PROJECTS REQUES	TED IN THIS PRO	GRAM:	FY 1	996				,,,,,			
CATEGORY	100 111 11110 1110					COST	Di	ESIG	N SI	ודאין	ıs
	ROJECT TITLE		s	COPE		(\$000	_	STAR		CMF	
			_			1755			-		<u> </u>
141-753 C-17 SQUAI	DRON OPERATIONS	/	3	0,900	SF	5,600	וד, כ	JL 9:	3 7	AUG	95
	MAINTENANCE UN	•		.,		-,					
	TO FLIGHT SIMUL			4,700	SF	1,300	) AI	JG 94	1 5	SEP	95
FACILITY				·		·					
721-312 DORMITORY				136	PN _	5,600	) At	JG 94	1 N	ίΑΥ	95
				TOTAL:		12,500	_				
9a. Future Project	ts: Included i	n the	Follo	wing F	rogr	am (F)	199	97)			
121-122 C-17 ADD 1	TO AND ALTER AP	RON/			LS	13,200	)	·			
HYDRANT I	FUELING SYSTEM										
141-753 C-17 SQUAR	ORON OPERATIONS	/	3	0,900	SF	5,700	)				
AIRCRAFT	MAINTENANCE UN	IT FAC									
211-153 C-17 ADD 1	O AND ALTER AI	RCRAFT	5	9,350	SF	4,600	)				
MAINTENAN	NCE AND NDI SHO	P.									
211-173 C-17 AIRCF	RAFT MAINTENANC	Ē	2	6,400	SF	5,800	)				
FACILITY											
721-312 ALTER DORM	<b>IITORY</b>			152	PN	5,800	)				
				TOTAL:		35,100	<u> </u>				
9b. Future Project	s: Typical Pla	anned l	Next	Four Y	ears	:					
130-142 FIRE/CRASH	RESCUE STATION	N		4,700	SF	1,100	)				
141-165 EXPLOSIVE	ORDNANCE DISPOS	SAL		4,000	SF	400	)				
411-135 IMPROVE JE	T FUEL STORAGE				LS	1,500	)				
442-758 REPAIR BAS	SE SUPPLIES & EQ	QUIP	19	4,000	SF	12,800	)				
WHSE											
851-147 IMPROVE RO	DAD				LS	4,000	)				
	or Functions:			wing	with	four	C-14	-			

1. COMPONENT										2. DAT	re
	FY	1996	MILIT				PROGI	MAS			
AIR FORCE  B. INSTALLATION	NI AND I	CATT		puter		ommand				5 705	EA CONS
CHARLESTON AIR						MOBILI	τV				T INDE
AROLINA	PONCE !	DRUE,	500111		COMM		* *				.85
. PERSONNEL		1	PERMAN	ENT	<del></del>	TUDENT:	S	SUI	PPORT		
STRENGTH	•	OFF		civ	OFF		civ	OFF	ENI		TOTAL
. As of	•										
. End FY											
			7. INV	ENTORY	DATA	(S000	<del></del>		<u> </u>		
. Total Acrea	qe:						,				
. Inventory T	-	Of:									
. Authorizati			n Inve	ntory:							
l. Authorizati				_	gram:						
e. Authorizati	on Incl	uded :	In Fol	lowing	Progr	ram:					
. Planned In	Next Fo	ur Pro	ogram :	Years:							
g. Remaining D	eficien	cy:									
. Grand Total											
ll. Outstandi	ng poll	ution	and s	afety	(OSH)	defic	ienci	.es:			
	ollutio									1,200	)
b. Water	_									C	
	ational		-	healt	h:					C	
d. Other	Enviro	nmenta	al:							C	)
				2							

1. COMPONENT							2. DATE
	FY	7 1996 MII	ITARY C	ONSTRU	CTION PROJECT	T DATA	
AIR FORCE			(comput	er gen	erated)		
3. INSTALLAT	3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
CHARLESTON A	CHARLESTON AIR FORCE BASE, SOUTH C-17 SQUADRON OPERATI						IONS/
CAROLINA						UNIT FAC	
5. PROGRAM E	LEMENT	6. CATEGO	RY CODE	7. PR	OJECT NUMBER	8. PROJE	CT COST(\$000)
4.11.30		141-7	53	DK	FX943002		5,600
T			9 COS	T ESTI	MATES		

9. COST ESTIMATE				
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
C-17 SQUADRON OPERATIONS/ AIRCRAFT	İ			
MAINTENANCE UNIT FACILITY	SF	30,900	105	3,245
SUPPORTING FACILITIES	1			1,745
UTILITIES	LS			( 525)
PAVEMENTS	LS			( 475)
SITE IMPROVEMENTS	LS			( 395)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	8,900	29	( 260)
ELEVATOR	EA	1	90,000	(90)
SUBTOTAL				4,990
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,240
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314
TOTAL REQUEST				5,554
TOTAL REQUEST (ROUNDED)	İ			5,600
	1		•	
	1			<u>_</u>

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements, and necessary support.

Air Conditioning: 65 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a C-17 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of the C-17 aircraft. The first C-17s arrived in 1993 and will total 40 by September 1998. Space is required for Ops/AMU management support,

briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, standardization/evaluation, locker rooms, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: The existing squadron operations and aircraft maintenance facilities were designed to support C-141 aircraft. They are undersized and not configured to support the much larger unified squadrons supporting the new and larger C-17 aircraft. The squadron operations and

1. COMPONENT			2. D	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT D	ATA		
AIR FORCE	(computer generated)			
3. INSTALLAT	ION AND LOCATION			
CHARLESTON A	IR FORCE BASE, SOUTH CAROLINA		***	
4. PROJECT T	ITLE	5.	PROJECT	NUMBER
		ļ		
C-17 SQUADRO	N OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		DKFX943	002

maintenance personnel operate out of two small separated buildings. The physical separation creates fragmented lines of communications/authority. They are overcrowded and inadequately configured. Inefficiencies include lack of space for planning, briefing, administration, storage and issue of parts, flying clothing and equipment. Upon completion of this project, one substandard facility totalling 8,900 SF will be demolished. Interim relocatable facilities have been purchased to support the new C-17 squadron operations/AMU facility requirements until this project is completed.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated, undersized, and interim facilities and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. Full implementation of the more effective Objective Wing squadron and adequate beddown of the C-17s will be degraded. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
	R FORCE BASE, SOUTH CAROLINA	,	
4. PROJECT TI	TLE	5. PRO	DJECT NUMBE
C-17 COUNDDON	OPERATIONS / NUMBER OF THE PROPERTY OF THE PRO	_	
C-17 SQUADRON	OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	DKE	X943002
12. SUPPLEME	NTAL DATA:		
	TITL DAIN.		
a. Estimat	ed Design Data:		
(1) St	atus:		
(a)	Date Design Started		93 JUL 1
	Parametric Cost Estimates used to develop	costs	
	Percent Complete as of Jan 1995		50
	Date 35% Designed.		94 FEB 1
(e)	Date Design Complete		95 AUG 1
(2) Bas	sis:		
• •	Standard or Definitive Design -		YES
	Where Design Was Most Recently Used -		MCGUIRE
` ,			MCGUIRE
(3) Tot	tal Cost (c) = (a) + (b) or (d) + (e):		(\$00
(a)	Production of Plans and Specifications		33
(b)	All Other Design Costs		360
	Total		69
	Contract		600
(e)	In-house		9
(4) Con	struction Start		95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT			2. DATE		
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA		
AIR FORCE	(comput	er generated)			
3. INSTALLATION	AND LOCATION	4. PROJECT	TITLE		
CHARLESTON AIR	CHARLESTON AIR FORCE BASE, SOUTH C-17 ADD TO FLIGHT SI				
CAROLINA		FACILITY			
5. PROGRAM ELEM	MENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.30	171-212	DKFX963032	1,300		
	9. Cos	T ESTIMATES			

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
C-17 ADD TO FLIGHT SIMULATOR FACILITY	SF	4,700	190	893
SUPPORTING FACILITIES			1	205
UTILITIES	LS			( 75
SEISMIC	LS	1	- 1	( 60
SITE IMPROVEMENTS	Ls			( 70
SUBTOTAL	1			1,098
CONTINGENCY (10%)	1			110
TOTAL CONTRACT COST		1		1,208
SUPERVISION, INSPECTION AND OVERHEAD (6%)		1		72
TOTAL REQUEST	1			1,280
TOTAL REQUEST (ROUNDED)	1		1	1,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)	1	1		(20,000)
		1		
			1	

10. Description of Proposed Construction: Demolition of existing exterior wall, construction of two-story addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior masonry walls with brick veneer to match existing facility, and necessary support.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 22,879 SF ADEQUATE: 18,179 SF SUBSTANDARD: 0
PROJECT: Add to a C-17 flight simulator facility. (New Mission)
REQUIREMENT: An addition to the existing C-17 flight simulator facility is required to house the last of three C-17 flight simulators to be delivered to Charleston AFB. This simulator will provide initial training, proficiency, and effective mission procedures training. It is essential for providing hazardous emergency training procedures that cannot otherwise be provided. Required areas include a simulator bay, computer room, briefing room, and an associated hydraulic area. Facility construction is required in FY96 to support simulator equipment delivery date in Sep 1997.

CURRENT SITUATION: This project is the second phase of a two-phase program to construct a flight simulator addition for the beddown of the C-17 aircraft at this installation. The first phase which provided two bays was approved in the FY89 MILCON program to support initial delivery of the new aircraft. This addition will provide the final bay needed to support C-17 aircrew training requirements associated with the acquisition of 40 C-17 aircraft. The first C-17s arrived in 1993 and will total 40 by September 1998.

IMPACT IF NOT PROVIDED: A complete beddown of the C-17 aircraft cannot be accomplished without providing required flight simulator facilities for

	1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
	AIR FORCE	(computer generated)	
!		ION AND LOCATION  IR FORCE BASE, SOUTH CAROLINA	
	4. PROJECT T	TLE 5.	PROJECT NUMBER
1	C-17 ADD TO 1	FI TOHT SIMILATOR FACILITY	DKFX963032

training aircrews. A delay in required construction could also lead to liability claims against the government from the simulator contractor for not providing adequate facilities.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT				2. DATE
		TARY CONSTRUCTION		
AIR FORCE		computer generated	i)	
3. INSTALLATI	ON AND LOCATION			
····	R FORCE BASE, SOU	TH CAROLINA		
4. PROJECT TI	TLE		5. PI	ROJECT NUMBER
C-17 ADD TO F	LIGHT SIMULATOR F	ACILITY	DF	KFX963032
12. SUPPLEME	NTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:			
, ,	Date Design Sta			94 AUG 29
		Estimates used t	o develop costs	Y
	Percent Complet		•	35%
	Date 35% Design			94 OCT 13
(e)	Date Design Com	plete		95 SEP 0
(2) Ba		•		
	Standard or Def	_		NO
(a)	wnere Design wa	s Most Recently U	sed -	N/A
		) + (b) or (d) +		(\$000
		lans and Specific	ations	75
	All Other Desig	n Costs		5!
, ,	Total			130
` '	Contract			110
(e)	In-house			20
(4) Co	nstruction Start			96 APF
. Equipment		this project will	be provided fro	om
			FISCAL YEAR	
EOU.	IPMENT	PROCURING	APPROPRIATED	COST
	NCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
			_	
-17 FLIGHT S	IMULATOR DEVICE	3010	FY97	20000

Page No

1. COMPONENT		2.	DATE
	FY 1996 MILITARY CONSTRU	CTION PROJECT DATA	
AIR FORCE	(computer gen	erated)	
3. INSTALLAT	ION AND LOCATION	4. PROJECT TITLE	
CHARLESTON A	IR FORCE BASE, SOUTH		
CAROLINA		DORMITORY	
5. PROGRAM E	LEMENT 6. CATEGORY CODE 7. PRO	OJECT NUMBER 8. PROJECT	COST(\$000)

DKFX963040

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
DORMITORY (136 PN)				3,961
DORMITORY	SF	48,300	80	(3,864)
AUTOMATIC SPRINKLER PROTECTION	SF	48,300	2	( 97)
SUPPORTING FACILITIES				1,055
UTILITIES	LS			( 600)
PAVEMENTS	LS			( 330)
SITE IMPROVEMENTS	LS			( <u>125</u> )
SUBTOTAL				5,016
CONTINGENCY (5%)		-		251
TOTAL CONTRACT COST	- [			5,267
SUPERVISION, INSPECTION AND OVERHEAD (6%)				316
TOTAL REQUEST				5,583
TOTAL REQUEST (ROUNDED)				5,600
			ł	
		}		

Description of Proposed Construction: Three-story structure with reinforced concrete foundation and floor slabs, masonry walls, and roof. Includes room-bath-room modules, laundry areas, storage, chiller plant, lounge areas, and all necessary support.

Air Conditioning: 100 Tons. Grade Mix: 136 E1-E4.

721-312

11. REQUIREMENT: As required.

4.18.96

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 136 personnel: 136 E1-E4, with a maximum utilization of 136 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing dorms are fully occupied. There are currently in excess of 240 E-1 through E-4 enlisted personnel living off-base due to lack of adequate on-base quarters. Requested construction will greatly reduce this existing deficit.

IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will have to continue living off-base resulting in a \$1.9 million payment of BAQ/VHA/BAS allowances annually.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing alternatives of new construction and status quo

5,600

1. COMPONENT			2. DATE
FY 1996	MILITARY CONSTRUCTION PROJECT I	DATA	
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCA	TION		
CHARLESTON AIR FORCE BAS	E, SOUTH CAROLINA		
4. PROJECT TITLE		5. PRO	OJECT NUMBER
DORMITORY		DKI	FX963040

(sending enlisted personnel off-base paying BAQ/VHA). Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
CHARLESTON AI	R FORCE BASE, SOUTH CAROLINA		
4. PROJECT TI	TLE	5. PRO	JECT NUMBER
DORMITORY		DKF	X963040
12. SUPPLEME	NTAL DATA:		
Batimat	ad Dagian Data.		
a. Estimat	ed Design Data:		
(1) St	atus:		
1 ' '	Date Design Started		94 AUG 01
1	Parametric Cost Estimates used to develop	costs	Y
(c)	Percent Complete as of Jan 1995		30%
(d)	Date 35% Designed.		95 FEB 15
(e)	Date Design Complete		95 MAY 15
(2) Ba	sis:		
(a)	Standard or Definitive Design -		YES
(b)	Where Design Was Most Recently Used -		CHARLEST
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a)	Production of Plans and Specifications		336
(b)	All Other Design Costs		229
1	Total		565
	Contract		450
(e)	In-house		115
(4) Co	nstruction Start		95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	V 1006 WITTE	NDV 001	VC@DII	TON	מחסמו	27.14	]:	2. DA	ΓE
AIR FORCE	Y 1996 MILIT	aky co puter (			PROGI	KAM			
3. INSTALLATION AND		pucci	1	DMMAND			1:	5. ARI	EA CONST
							- 1	COS	T INDE
SHAW AIR FORCE BASE,	SOUTH CAROL	INA	AIR C	COMBAT	COM	AND		0.	.79
6. PERSONNEL	PERMAN		S	UDENT	S	SUP	PORTI	ED	
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	710 4531	579				3		134	5,95
b. End FY 2000	709 4458	450				3		134	5,75
	7. INV	ENTORY	DATA	(\$000	)				
a. Total Acreage: (									
b. Inventory Total A	s Of: (30 S	EP 94)					:	185,00	00
c. Authorization Not		_						8,25	0
d. Authorization Req			_					1,30	
e. Authorization Inc		_	-	am:	(FY ]	.997)		7,51	
f. Planned In Next F	_	Years:		ŧ				3,80	
g. Remaining Deficie	ncy:							80,66	
h. Grand Total:								286,52	20
8. PROJECTS REQUESTE	D IN THIS PRO	OGRAM:	FY 1	.996					
CATEGORY			_			COST			STATUS
<u>CODE</u> <u>PRO</u>	JECT TITLE		2	COPE		(\$000	) 5	START	CMPL
021 103 UDADADE CMO	DV DDATNAGE	CYCMEN			T.C	1 20	O T1	17 04	CED OF
871-183 UPGRADE STO	RM DRAINAGE	SISTEM		TOTAL	-	1,30	-	JL 94	SEP 95
9a. Future Projects	. Included	in the	Follo					271	
130-835 SECURITY PO				23,000	_	-		,,	
831-155 INDUSTRIAL		ONS	-	.5,000	LS	1,00			
	NT FACILITIE:	<b>S</b>			20	1,00	•		
832-266 UPGRADE SAN					Ls	2,75	n		
OJZ ZOO OT GRADE DIAN	TIME DENDER	01010		TOTAL	-	7,51			
9b. Future Projects	: Typical P	lanned	Next						
722-351 DINING FACI				4,000			0		
ISSUE WARE	HOUSE								
10. Mission or Majo	r Functions:	Head	quarte	ers Ni	nth A	ir Fo	rce;	a fig	ghter
wing which includes	three F-16 s	quadro	ns, or	ne A/O	A-10	squad	ron,	and a	an air
control squadron.	·								
ll. Outstanding pol	lution and sa	afety	(OSH)	defic	ienci	les:			
a. Air polluti								3,000	
b. Water pollu								5,200	כ
c. Occupationa		healtl	n:						)
d. Other Envir	onmental:							6,800	)

1. COMPONENT			2. DATE			
F	Y 1996 MILITARY CO	DATA				
AIR FORCE	(compute	er generated)				
3. INSTALLATION AND	TITLE					
SHAW AIR FORCE BASI	E, SOUTH CAROLINA	UPGRADE STO	RM DRAINAGE SYSTEM			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
2.74.56C	871-183	VLSB963003	1,300			
9. COST ESTIMATES						

9. COST ESTIMAT	TES			
			UNIT	COST
ITEM	ע/ע	QUANTITY	COST	(\$000)
UPGRADE STORM DRAINAGE SYSTEM	LS			1,100
ELIMINATE CROSS CONNECTIONS	LS			( 600)
ELIMINATE RUNOFF FROM INDUSTRIAL AREAS	LS			( 500)
SUPPORTING FACILITIES		, , , , , , , , , , , , , , , , , , ,		10
SITE IMPROVEMENTS	LS			( <u>10</u> )
SUBTOTAL	1			1,110
CONTINGENCY (10%)		ę		111
TOTAL CONTRACT COST				1,221
SUPERVISION, INSPECTION AND OVERHEAD (6%)				73
TOTAL REQUEST				1,294
TOTAL REQUEST (ROUNDED)				1,300
				·
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- 10. Description of Proposed Construction: Provide improvement of storm water quality by elimination of cross-connections (sanitary to storm sewer connections, process/nonprocess waters entering the storm drainage system), elimination of storm water runoff from potential contaminant areas, and construction of berming/containment at potential spill/leak areas to prevent these contaminants from entering the storm drain.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage system. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Shaw AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges.

CURRENT SITUATION: Shaw AFB does not provide storm water runoff control measures from the industrial areas of the base, as required by the NPDES permit. There are industrial buildings where floor drains are connected to the storm drainage system, and areas with oil-water separators connected to the storm drainage system. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. These existing non-storm water discharges into the storm drainage system are not allowed by the NPDES permit. Control of storm water runoff is essential to prevent contamination of Long Branch Creek, Mush Branch Creek and the

1. COMPONENT					2. D	ATE
	FY	1996 MILITARY CONSTRUCTION I	PROJECT DAT	Α	ļ	
AIR FORCE		(computer generated)	)			
3. INSTALLATION SHAW AIR FORCE		LOCATION , SOUTH CAROLINA		_		
4. PROJECT TI	TLE			5.	PROJECT	NUMBER
UPGRADE STORM	DRAIN	GE SYSTEM			VLSB9630	003

Pocotaligo River. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan.

IMPACT IF NOT PROVIDED: Shaw AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra [	
AIR FORCE	(computer generated)		
3. INSTALLATION	N AND LOCATION		
	BASE, SOUTH CAROLINA	5 220:	TOO WILLIAMS
4. PROJECT TITI	LE	5. PROL	JECT NUMBER
UPGRADE STORM I	DRAINAGE SYSTEM	VLSE	3963003
12. SUPPLEMENT	TAL DATA:		
a. Estimated	d Design Data:		
(1) Stat	tue.		
, ,	Date Design Started		94 JUL 01
	Parametric Cost Estimates used to develop of	costs	Y
	Percent Complete as of Jan 1995		60%
	Date 35% Designed.		94 SEP 01
	Date Design Complete		95 SEP 01
(2) Basi	is:		
	Standard or Definitive Design -		NO
	Where Design Was Most Recently Used -		N/A
(3) Tota	al Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a)	Production of Plans and Specifications		78
	All Other Design Costs		52
	Total		130
	Contract		78
(e)	In-house		52
(4) Cons	struction Start		96 JAN
			•
	associated with this project will be provide	d from	

other appropriations: N/A

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. INSTALLATI	ON AND LO	CATION		AIR F						T INDEX
						OMM S	ID.	1	_	90
ARNOLD AIR FO	RCE BASE	TENNESS	EE		IEL C			DODME		
. PERSONNEL		PERM	ANENT		UDENT			PORTE		TOTAL
STRENGTH	_	OFF EN	L CIV	OFF	ENL	CIV	OFF			373
a. As of 30 S	SEP 94	66	50 194					2		
o. End FY 200		65	46 181			<u> </u>		2	61	355
5. Bild 11 15		7. ]	NVENTORY	DATA	(\$000	)				
a. Total Acre	2200: 1									
b. Inventory	metal No							1,2	74,58	33
o. Inventory	TOTAL AS	UI. (Je	wentery:						2,40	00
c. Authorizat	tion Not	iet in i	weiledly.	~~~m.					5,00	
d. Authorizat	tion Requ	ested In	This Plo	gram.		/EV '	10071		3,80	
e. Authorizat	tion Incl	uded In E	ottowing	Progr	. aiii i	(11.	2337,		5,0	0
f. Planned I	n Next Fo	ur Progra	ım Years:		•				97,20	-
g. Remaining	Deficien	cy:							-	
b Crand Tota	al:							1,-	382,98	33
8. PROJECTS	REOUESTED	IN THIS	PROGRAM:	FY :	1996					
CATEGORY							COS	T DI	ESIGN	STATUS
	PRO.T	ECT TITL	£	:	SCOPE		(\$00	0) 5	START	CMPL
CODE	<u> </u>		=	-						
318-614 UPG	DADE ENGT	אד ידכי '	FACILITIE	es.		LS	2,3	00 M	AR 94	JUN 95
318-614 UPG	FRIGERATI	ON SYSTE	M PT.ANT	B						
				-		LS	2.7	00 J	UN 93	AUG 95
	RADE FIRE	PROTECT	TON			20	_,.			
SY	STEMS				TOTAL		5,0	00		
									071	
9a. Future	Projects:	Includ	ed in the	≥ Foll	owing	Prog	ram (	LI IS	J / )	
318-614 UPG	RADE ENGI	NE TEST	FACILITIE	ES		LS	3,8	.00		
ਸ਼ਕ	FRIGERAT	ON SYSTE	M, PLANT	С				<del></del>		
114					TOTA	L:	3,8	00		
Ol Butune	Projects	Typica	l Planne	d Next	Four	Year	s:			
9b. Future	Projects	- Runctio	ns: Arno	ora Eu	Four	LING	Dever	opmen	t Cen	iter
9b. Future 10. Mission	Projects:	Function deve	ns: Arno	ola En testi	Four ginee	nd ev	aluat	TOH T	n ort	porc
9b. Future 10. Mission which conduc	Projects: or Major	Function Ch. deve	ns: Arno lopment,	testi compl	Four ginee ng, a ex of	nd ev wind	aluat tunr	els,	jet a	ind
9b. Future 10. Mission which conduc	Projects: or Major	Function Ch. deve	ns: Arno lopment,	testi compl	Four ginee ng, a ex of	nd ev wind	aluat tunr	els,	jet a	ind
9b. Future 10. Mission which conduct of aerospace rocket engin	Projects: or Major ets resear e system a	f Function cch, deve acquisitiells, spa	ns: Arno lopment, on. The	testi compl	Four ginee ng, a ex of	nd ev wind	aluat tunr	els,	jet a	ind
9b. Future 10. Mission which conduct of aerospace rocket engin	Projects: or Major ots resear e system a	Function Ch, development of the control of the cont	ns: Arno lopment, on. The	testi compl	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a	ind
9b. Future 10. Mission which conduc of aerospace rocket engin	Projects: or Major ets resear e system a	Function Ch, development of the control of the cont	ns: Arno lopment, on. The	testi compl	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a	ind
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar	Projects: n or Major ets resear e system a ne test ce ne larges nding pol	Function from Function ch, development of the control of the contr	ns: Arno lopment, on. The	testi compl	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a	and stic
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar	Projects: n or Major ets resear e system a ne test ce ne larges nding pol	Function from Function ch, development of the control of the contr	ns: Arno lopment, on. The	testi compl	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a pallis	and stic
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar a. Air	Projects: n or Major ets resear e system a ne test ce ne larges nding pol	Function from Fu	ns: Arno lopment, on. The	testi compl	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a	and stic
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar a. Air b. Wat	Projects:  n or Major  ets resear  e system a  ne test ce  ne larges  nding politic  r pollution	Function Function Con, development of the Land Constitution of the Land Constitution of the Land Constitution	ns: Arno lopment, on. The ce simul US. d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a pallis 2,00 7,00	nnd stic 00 00
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar  a. Air b. Wat c. Occ	Projects: n or Major ets resear e system a ne test ca ne larges nding pol er pollution cupationa	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a pallis	nnd stic 00 00
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar a. Air b. Wat c. Occ	Projects:  n or Major  ets resear  e system a  ne test ce  ne larges  nding politic  r pollution	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a ballis 2,00 7,00	nnd stic 00 00
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9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar a. Air b. Wat	Projects: n or Major ets resear e system a ne test ca ne larges nding pol er pollution cupationa	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a ballis 2,00 7,00	nnd stic 00 00
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar a. Air b. Wat	Projects: n or Major ets resear e system a ne test ca ne larges nding pol er pollution cupationa	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a ballis 2,00 7,00	nnd stic 00 00
9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar a. Air b. Wat	Projects: n or Major ets resear e system a ne test ca ne larges nding pol er pollution cupationa	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a ballis 2,00 7,00	nnd stic 00 00
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9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar  a. Air b. Wat c. Occ	Projects: n or Major ets resear e system a ne test ca ne larges nding pol er pollution cupationa	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a ballis 2,00 7,00	nnd stic 00 00
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9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar  a. Air b. Wat c. Occ	Projects: n or Major ets resear e system a ne test ca ne larges nding pol er pollution cupationa	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a ballis 2,00 7,00	nnd stic 00 00
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9b. Future 10. Mission which conduct of aerospace rocket engin ranges is th 11. Outstar  a. Air b. Wat c. Occ	Projects: n or Major ets resear e system a ne test ca ne larges nding pol er pollution cupationa	r Function ch, development of the control of the co	ns: Arnologuent, on. The ce simulus.  d safety	testi compl ation (OSH)	Four ginee ng, a ex of chamb	nd ev wind ers,	aluat tunr and h	els,	jet a pallis 2,00 7,00	nnd stic 00 00

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1. COMPONENT									2.	DATE
	F	Y 1996 MILI	TARY C	ONST	RUCT	ION PR	OJECT D	ATA	1	
AIR FORCE		(	comput	er g	ener	ated)				
3. INSTALLATI	ON ANI	LOCATION				4. PRO	JECT TI	TLE		
					- 1	UPGRAD	E ENGIN	E TEST	FAC	ILITIES
ARNOLD AIR FO	RCE BA	ASE, TENNES	SEE		]:	REFRIG	ERATION	SYSTEM	1, P	LANT B
5. PROGRAM EI	EMENT	6. CATEGOR	Y CODE	7. 1	PROJ	ECT NU	MBER 8	. PROJE	CT (	COST (\$000)
				}						
7.80.56		318-61	4	1	ANZY	900286				2,300
			9. cos	T ES	TIMA	TES				
								UNI	T	COST
ITEM U/M QUANTITY COS						T	(\$000)			
					_	- 1				

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE ENGINE TEST FACILITIES				
REFRIGERATION SYSTEM, PLANT B	LS			1,700
SUPPORTING FACILITIES	1			270
UTILITIES	LS			( 170)
SITE IMPROVEMENTS	LS			( 50)
ASBESTOS REMOVAL	LS			( <u>50</u> )
SUBTOTAL		s		1,970
CONTINGENCY (10%)				197
TOTAL CONTRACT COST				2,167
SUPERVISION, INSPECTION AND OVERHEAD (6%)				130
TOTAL REQUEST	1 1	ļ		2,297
TOTAL REQUEST (ROUNDED)				2,300
				İ
				İ

- 10. Description of Proposed Construction: Convert the engine test facilities, plant B, refrigeration systems from R-12 to R-134a refrigerant; retrofit systems to retain desired operational capability; provide refrigerant storage, valves, transfer piping, asbestos removal and necessary support.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade engine test facilities refrigeration system, plant B.
(Current Mission)

REQUIREMENT: This is a level II environmental compliance requirement. This project is required to prevent continued release of unacceptable levels of R-12 refrigerant, an ozone depleting chemical (ODC) into the atmosphere. It also eliminates the risk of mission shut-down of nationally critical aircraft and missile turbine engine test facilities due to non-availability or excessive replenishment costs of R-12 refrigerent. These facilities provide a unique test capability critical for aircraft development and production (F-22, B-2, C-17.) and for retrofit of current aircraft such as the F-15 and F-16. Ground testing at extremely cold and hot temperatures (-24 to 650 degrees F) is required to simulate high altitude flight conditions critical to engine design and production decisions.

CURRENT SITUATION: The existing system has been maintained over time, but major component repair, upgrade, reconfiguration, and refrigerant conversion is now required to preclude continued release of ODC. Refrigeration plants which provide refrigerated air to 17 engine test cells at the Arnold Air Force Base leaked 90,000 pounds (24% of plant capacity) of ozone depleting refrigerant (R-12) into the atmosphere last year. An emergency \$1 million repair project using base operations and

•	1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DATA		DATE
	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION		
	ARNOLD AIR FORCE BASE, TENNESSEE		
ı		5. PROJEC	T NUMBER
ł	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM,		
1	PLANT B	ANZY90	0286

maintenance funds was executed to stop this loss. Production of R-12 is ending by international agreement and executive order in December 1995. Without R-12, the current refrigeration system cannot operate, preventing cold flight conditions in the engine test facilities. Conversion to R-134a, a non-ozone depleting refrigerant, will allow continued plant

operation. Since mission test requirements preclude closure of all test facilities simultaneously, emergency funding of the first refrigeration plant, which services 13 engine test cells, was funded as an emergency construction project in the FY94. The remaining two plants must be funded before the R-12 refrigerant supply/stockpile is exhausted. This project will convert the refrigerant system in plant B. Plant C will be converted in the FY97 program. Phasing is required to avoid degradation of mission capability if simultaneous shut-down of all engine test cells were to occur. With the projected closure of the Naval Air Warfare Center, Aircraft Division at Trenton, New Jersey, all DoD ground testing of aircraft and missile propulsion systems over the full range of flight conditions must be conducted at Arnold AFB. IMPACT IF NOT PROVIDED: The United States will lose all national capability to ground test propulsion systems at simulated flight conditions. This will result in major delays and cost increases for the development and testing of F-18 and F-22 aircraft, cruise missile propulsion systems, and improvements to existing propulsion systems. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore,

no economic analysis was needed or performed. A certificate of exception

has been prepared.

		FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ו אותח	
. INSTAL			<sup>1A</sup>	
		(computer generated)	<u></u>	
	LATIC	ON AND LOCATION		
RNOLD AI	R FOI	RCE BASE, TENNESSEE		
PROJEC			5. PROJECT NUMB	EF
GRADE E	NGINE	E TEST FACILITIES REFRIGERATION SYSTEM,		
LANT B			ANZY900286	
2. SUPP	r toward	IMAT DAMA.		
SUPP	rewer	VTAL DATA:		
a. Est	imate	ed Design Data:		
(1)	Sta			
		Date Design Started	94 MAR	11
		Parametric Cost Estimates used to develop of	costs	N
		Percent Complete as of Jan 1995 '	3:	5%
		Date 35% Designed.	94 SEP	
	(e)	Date Design Complete	95 JUN :	15
(2)	Bas	is:		
	(a)	Standard or Definitive Design -	YES	
	(b)	Where Design Was Most Recently Used -	ARNOLD	
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$00	ഹ
, ,		Production of Plans and Specifications	•	20
		All Other Design Costs		60
		Total	18	80
	(d)	Contract		
	(e)	In-house	18	80
(4)	Con	struction Start	96 FI	EΒ
		· ·		
Equipm	ent a	associated with this project will be provide	d from	
her appr				

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONS	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATION	N AND LOCATION	4. PROJECT TITLE	
		UPGRADE FIRE PROTECT	ION
ARNOLD AIR FOR	CE BASE, TENNESSEE	SYSTEMS	
5. PROGRAM ELEI	MENT 6. CATEGORY CODE 7.	. PROJECT NUMBER 8. PROJE	CT COST(\$000)

7.28.06 880-221 ANZY923016 2,700

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE FIRE PROTECTION SYSTEMS	LS			2,200
SUPPORTING FACILITIES	İ			130
SITE IMPROVEMENTS	LS			( 40)
ASBESTOS REMOVAL	LS			(90)
SUBTOTAL	ŀ			2,330
CONTINGENCY (10%)	1			233
TOTAL CONTRACT COST		'		2,563
SUPERVISION, INSPECTION AND OVERHEAD (6%)				154
TOTAL REQUEST				2,717
TOTAL REQUEST (ROUNDED)				2,700
	Ì			
				·
				1
				İ
		1		ŀ

10. Description of Proposed Construction: Install automatic fire detection, alarm, and suppression systems in 43 buildings and extend water mains to form a looped system. Includes asbestos removal and necessary support.

11. REQUIREMENT: As required.

PROJECT: Upgrade fire protection systems. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Correction of fire deficiencies, including installation of fire detection and suppression systems, is required to provide protection for up to 2,100 occupants and government assets in 43 buildings, and to minimize damage to these mission essential facilities in the event of fire. A looped water system is needed to provide adequate water flow and maintain the reliability of the water system by permitting back feed in the event of a water line break.

CURRENT SITUATION: Fire detection, alarm, and suppression systems are inoperable, unreliable or nonexistent at many locations. This situation requires building occupants to detect fires and summon the fire department. When a facility is unoccupied, fires could cause extensive damage to base assets before being detected. Replacement costs for these 43 buildings and their contents is approximately \$800 million. The water supply system is a single-feed, branch system. A break in the main line can disable the entire water system and result in a complete loss of water for fire protection in the affected areas.

IMPACT IF NOT PROVIDED: The possibility of rapid spread of fire will continue, placing personnel and valuable assets at risk, and possibly cause the extended interruption of various systems testing.

ADDITIONAL: There is no criteria/scope for this project in Part II of

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DAT  AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION  ARNOLD AIR FORCE BASE, TENNESSEE	
	5. PROJECT NUMBER

Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis is not required since this project corrects documented fire, life and safety deficiencies. A certificate of exception has been prepared.

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	.TA
IR FORCE	(computer generated)	
. INSTALLATION	ON AND LOCATION	
	RCE BASE, TENNESSEE	Т
. PROJECT TI	PLE	5. PROJECT NUMBER
DODADE ETDE	DOMEONTON GROWING	200000000000000000000000000000000000000
PGRADE FIRE	PROTECTION SYSTEMS	ANZY923016
2. SUPPLEME	NTAL DATA:	
2. SUFFLEME	VIAL DAIA.	
a. Estimate	ed Design Data:	
(1) Sta	atus:	
(a)	Date Design Started	93 JUN 11
(b)	Parametric Cost Estimates used to develop	costs N
(c)	Percent Complete as of Jan 1995	35%
(d)	Date 35% Designed.	94 AUG 01
(e)	Date Design Complete	95 AUG 01
(2) Bas	sis:	
(a)	Standard or Definitive Design -	NO
(p)	Where Design Was Most Recently Used -	N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a)	Production of Plans and Specifications	160
	All Other Design Costs	153
• •	Total	313
• • •	Contract	210
(e)	In-house	103
(4) Cor	struction Start	96 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	V 1006 NTT TM	NDV 00	Nombiid	mrou.		) N M	2	DA!	ΓE
į į	Y 1996 MILIT				ROGI	KAM			
AIR FORCE  3. INSTALLATION AND		outer o	<del>7</del>	MMAND				7 77 7	EA CONST
3. INSTALLATION AND	LOCATION						=		EA CONST
DAONG ATD MODEL DAG	n meyse		AIR F	CRCE RIEL CO	>1/3/ P B	TD.			.87
BROOKS AIR FORCE BAS	PERMANI						DODME		.87
5. PERSONNEL				UDENTS			PORTE		moma.
STRENGTH	OFF ENL 631 995	CIV 1580	OFF	ENL 98	CIV	OFF 3	ENL	128	TOTAL
a. As of 30 SEP 94						3		1	3,656
o. End FY 2000	621 1011			98		3]	19	128	3,619
	7. INV	ENTORY	DATA	(\$000)					
a. Total Acreage: (	•								
o. Inventory Total A								89,32	
. Authorization Not								8,90	
d. Authorization Req		-	_					23	33
e. Authorization Inc		_	Progr	am: (	FY 1	.997)			0
f. Planned In Next F	_	ears:							0
g. Remaining Deficie	ncy:							16,90	
n. Grand Total:				<u> </u>			1	15,35	6
ROJECTS REQUESTE	D IN THIS PRO	GRAM:	FY 1	996					
CATEGORY						COST		SIGN	STATUS
<u>CODE</u> <u>PRO</u>	JECT TITLE		<u>s</u>	COPE		(\$000	<u>s</u>	TART	CMPL
131-111 ADD TO AND	ALTER			2,800	SF	23	3 AU	G 88	APR 89
COMMUNICAT	IONS FACILITY				_		_		
				TOTAL:		23:			
a. Future Projects							Y 199	7) NC	NE
b. Future Projects									
.O. Mission or Majo			_					-	
aboratory; Air Forc	e Center for	Enviro	onment	al Exc	elle	nce; i	Air F	orce	
ledical Support Agen	cy; and USAF	School	for	Aerosp	ace	Medic:	ine;	and a	n air
ase wing.									
1. Outstanding pol	lution and sa	fety (	osH)	defici	enci	es:			
a. Air polluti	on:							0	ı
								0	)
b. Water pollu									
b. Water pollu	l safety and	health	1:					0	1
b. Water pollu	l safety and	health	1:					0	

1. COMPONENT	·					2	. DA	re
FY 1996 MII				PROGI	RAM			
	omputer o	7						
3. INSTALLATION AND LOCATION			DNAMMO			5		ea const
		AIR F						ST INDEX
KELLY AIR FORCE BASE, TEXAS			RIEL CO					. 87
	ANENT		UDENTS			PORTE		_
STRENGTH OFF EN		OFF	ENL	CIV	OFF		CIV	
	19 12678	1			43		200	
<u> </u>	90 11515	<u> </u>		<u> </u>	43	757	200	17,454
	NVENTORY	DATA	(\$000)	)				
a. Total Acreage: ( 4,661)								
b. Inventory Total As Of: (30							79,98	
c. Authorization Not Yet In In							55,48	
d. Authorization Requested In							3,59	
e. Authorization Included In F	-	-		(FY ]	1997)		5,58	
f. Planned In Next Four Progra	m Years:		£				20,36	
g. Remaining Deficiency:							20,00	
h. Grand Total:						6	85,00	)1
8. PROJECTS REQUESTED IN THIS	PROGRAM:	FY 1	.996					
CATEGORY					COST	-		STATUS
CODE PROJECT TITLE		5	COPE		(\$000	<u>s</u>	TART	CMPL
131-111 COMMUNICATIONS FACILI			2,000					JUL 91
610-249 WING HEADQUARTERS FAC	LILITY	2		_			Y 94	MAY 95
			TOTAL:		3,59			
9a. Future Projects: Include			-	_	•		7)	
610-249 WING SUPPORT FACILITY			0,000		•		<b></b>	
871-183 UPGRADE STORM DRAINAG	E SYSTEM		TOTAL:	LS -	2,200 5,580	-	RN KE	EY
9b. Future Projects: Typical	Planned	Next						
211-152 C-17 COMPOSITE REPAIR			5,000		5,40	0		
FACILITY	•	_	2,000		5,40	-		
217-742 AFCS MAINTENANCE FACI	T.TTY	10	2,000	SF	7,14	ο		
730-772 ADD TO AND ALTER CHAP			_,500	LS	72			
832-266 REPLACE SANITARY SEWE			0,000		3,10		RN KI	EY
871-183 STORM DRAINAGE DISPOS			3,600					
10. Mission or Major Function							er wi	nich
is responsible for logistics m				_				
maintenance of B-52, C-5, C-9,								nd all
fuels and TF39/T56/F100 engine								
fighter group with one F-16 sq			_					
with one C-5 squadron; Air For								_
News Agency; and the Joint Ele			-	_	.01, 0	nı		
11. Outstanding pollution and					ies:		<del></del>	
11. Outstanding politicism and	. Jurety	, 00,						
a. Air pollution:							7,500	0
b. Water pollution:						1	0,300	
c. Occupational safety a	nd heal+l	h:				•		)
d. Other Environmental:	a neart	• •					3,100	_
d. Other Bhvironmental:							J, 10	-

•	1. COMPONENT					2.	DATE	_
	] ]	Y 1996 MILITARY C	ONSTRUCTIO	N PROJECT	DATA	4		
	AIR FORCE	(compute	er generat	ed)				
	3. INSTALLATION AN	ID LOCATION	4.	PROJECT	TITLE	3		
			l					
	KELLY AIR FORCE BA	SE, TEXAS	WI	NG HEADQU	ARTE	RS FACIL	ITY	
1	5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJEC	T NUMBER	8. I	ROJECT	COST(\$000)	)
	2.80.19 TIARA	610-249	мврв96	3005A	<u> </u>		3,244	
1		9. cos:	r estimate	S	-			_
1						UNIT	COST	
I		ITEM		U/M QUAN	TITY	COST	(\$000)	
4		***************************************						_

		T	*****	G0.05
			UNIT	COST
ITEM	א/ט	QUANTITY	COST	(\$000)
WING HEADQUARTERS FACILITY	SF	22,000		2,194
ADMINISTRATIVE OFFICE AREAS	SF	17,000	82	(1,394)
OPERATING AREA (SCIF)	SF	5,000	135	( 675)
ELEVATOR	EA	1	125,000	( 125)
SUPPORTING FACILITIES	ŀ			715
SITE PREPARATION	LS			( 175)
UTILITIES	LS	ı		( 200)
PAVEMENT	LS			( 200)
DEMOLITION	SF	23,600	6	( <u>140</u> )
SUBTOTAL				2,909
CONTINGENCY (5%)				145
TOTAL CONTRACT COST	1			3,054
SUPERVISION, INSPECTION AND OVERHEAD (6%)				183
TOTAL REQUEST	į			3,237
TOTAL REQUEST (ROUNDED)				3,244
102112 11220222 (110011022)				, ,,,,,,
				l
			1	

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry walls, structural steel frame and metal roof system. Includes an elevator, utilities, parking, and all necessary support. Demolish two sub-standard facilities (23,588 SF). Air Conditioning: 40 Tons.

REQUIREMENT: 65,300 SF ADEQUATE: 25,300 SF SUBSTANDARD: 64,318 SF PROJECT: Construct a Wing Headquarters facility. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. An adequate and functional facility is required to support reorganization and consolidation activities of Air Intelligence Agency (AIA). As part of the re-organization, geographically separated functions in the Pacific and European Theaters were downsized, functions eliminated and redistributed, and have been redesignated Intelligence Groups. Wing functional responsibilities have been centralized and consolidated with existing intelligence activities at Kelly Air Force Base. Composite functions include the wing operations, engineering, logistics maintenance, plans and programs, wing information systems, contracting, and security. A sensitive compartmented information facility (SCIF) is required to support processing and transmission of classified information. In addition, an elevator is required to comply with the Americans with Disabilities Act of 1990.

CURRENT SITUATION: Wing facility requirements are continuing to grow as field offices arrive at the installation. All personnel are scheduled to be on-station by the end of FY96. The Wing is currently housed in interim substandard facilities that are inadequate to support intelligence operations. Once this project is completed other agencies will be relocated to the Wing's present facility. Upon completion of this move

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION F	PROJECT DATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
KELLY AIR FORCE BASE, TEXAS	
4. PROJECT TITLE	5. PROJECT NUMBER
WING HEADQUARTERS FACILITY	MBPB963005A

two old wood frame facilities, occupied by these functions, will be demolished.

IMPACT IF NOT PROVIDED: The Wing and associated mission functions will continue to remain in inadequate facilities that prevent efficient operations and compromise security. Headquarters functions will remain dispersed in facilities that are not configured and conducive to Wing organizational requirements. SCIF space will not be available to support classified network systems for preparing, reviewing, and processing classified messages and to transmit classified information to AIA units. ADDITIONAL: There is no criteria/scope for this facility in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of status quo plus addition, new construction, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

1. COMPON	ENT		m 3.	2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA	
AIR FORCE		(computer generated)		
3. INSTAL	LATI	ON AND LOCATION		
KELLY AIR	FOR	CE BASE, TEXAS		
4. PROJEC	T TI	TLE	5. PRO	DJECT NUMBER
WING HEAD	QUAR	TERS FACILITY	мві	PB963005A
12. SUPP	LEMEI	NTAL DATA:		
a. Est	imate	ed Design Data:		
(1)	Sta	atus:		
		Date Design Started		94 MAY 16
	(b)	Parametric Cost Estimates used to develop of	costs	N
	(C)	Percent Complete as of Jan 1995		60%
	(d)	Date 35% Designed.		94 SEP 01
	(e)	Date Design Complete		95 MAY 01
(2)	Bas	sis:		
` ,		Standard or Definitive Design -		NO
		Where Design Was Most Recently Used ~		N/A
(3)	Tot	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	(a)	Production of Plans and Specifications		194
	(b)	All Other Design Costs		259
	(C)	Total		453
	(d)	Contract		317
	(e)	In-house		136
(4)	Con	nstruction Start		96 JAN
		associated with this project will be provide	d from	ı
ther appr	copri	lations: N/A		

1. COMPONENT								2. DAT	E
1	Y 1996 MILITA	RY COM	ISTRUC	TION :	PROGE	MAS	]		
AIR FORCE	(comp	uter o	enera	ted)					
3. INSTALLATION AND	LOCATION		4. CC	DINAMM			1	5. ARE	A CONSI
			AIR E	DUCAT	ION			cos	T INDEX
LAUGHLIN AIR FORCE E	BASE, TEXAS		AND I	RAINI	NG CC	DINAMM		1.	15
6. PERSONNEL	PERMANE	NT	รา	UDENT	s	SUP	PORT	ED	
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL		TOTAL
a. As of 30 SEP 94	392 721	874	140			1		8 522	2,657
b. End FY 2000	350 519	745	162					8 522	2,306
	7. INVE	NTORY	DATA	(\$000	)				
a. Total Acreage:	5,228)								
b. Inventory Total A	s of: (30 SE	P 94)						116,78	9
<ul> <li>Authorization Not</li> </ul>								17,39	0
d. Authorization Red								1,40	0
e. Authorization Ind	luded In Foll	owing	Progr	am:	(FY 1	.997)			0
f. Planned In Next P	_	ears:		•				5,74	9
g. Remaining Deficie	ency:							6,40	0
h. Grand Total:								147,72	8
8. PROJECTS REQUESTE	D IN THIS PRO	GRAM:	FY 1	.996					
CATEGORY						COST	D	ESIGN	STATUS
CODE PRO	JECT TITLE		<u>s</u>	COPE		(\$000	<u>)</u> .	START	CMPL
179-511 FIRE TRAIN	NG FACILITY				LS _	1,40		UN 94	JUL 95
				TOTAL		1,40			
9a. Future Projects							Y 19	97) NO	NE
9b. Future Projects		anned	Next	Four :			_		
113-321 ALTER APRO		_			LS	24	_		
113-321 UPGRADE AIR				8,000		-			
610-249 RESOURCE MA				0,000					
10. Mission or Majo								onduct	S
Undergraduate Pilot							art.		
11. Outstanding pol	lution and sa	fety (	(OSH)	delic	renci	.es:			
								_	
a. Air polluti								C	
b. Water pollu								C	
	l safety and	health	1:					C	
d. Other Envi	conmental:							C	)

1. COMPONENT			2. DATE
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION A	AND LOCATION	4. PROJECT	TITLE
LAUGHLIN AIR FORC	E BASE, TEXAS	FIRE TRAINI	NG FACILITY
5. PROGRAM ELEMEN	T 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
8.57.56	179-511	MXDP963001	1,400

COCH POTINATES

9. COST ESTIMA	TES			
			UNIT	COST
ITEM	<u> U/M</u>	QUANTITY	COST	(\$000)
FIRE TRAINING FACILITY	LS			950
SUPPORTING FACILITIES				285
UTILITIES	LS			( 110)
PAVEMENTS	LS		,	( 95)
SITE IMPROVEMENTS	LS			(80)
SUBTOTAL				1,235
CONTINGENCY (5%)	j			62
TOTAL CONTRACT COST				1,297
SUPERVISION, INSPECTION AND OVERHEAD (6%)				78
TOTAL REQUEST				1,375
TOTAL REQUEST (ROUNDED)				1,400
	ł			
			;	
		1		
	1 1			

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since November 1993; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using mock-up structures with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

Page No

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. D	ATE
AIR FORCE	(computer generated)		
	ION AND LOCATION		
LAUGHLIN AIR	FORCE BASE, TEXAS		
4. PROJECT T	ITLE 5.	PROJECT	NUMBER

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

FIRE TRAINING FACILITY

MXDP963001

1. COMPON	ENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE		(computer generated)	
3. INSTAL	LATIC	ON AND LOCATION	
		FORCE BASE, TEXAS	
4. PROJEC	T TI	TLE 5	. PROJECT NUMBER
FIRE TRAI	NING	FACILITY	MXDP963001
10			
12. SUPP	LEMEN	ITAL DATA:	
		a participant	
a. Est	ımate	ed Design Data:	
(1)	Sta	itus:	
(-)		Date Design Started	94 JUN 23
		Parametric Cost Estimates used to develop cost	
		Percent Complete as of Jan 1995	60%
		Date 35% Designed.	94 JUL 19
		Date Design Complete	95 JUL 17
(2)	Bas	is:	
	(a)	Standard or Definitive Design -	YES
	(b)	Where Design Was Most Recently Used -	MOODY
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000)
		Production of Plans and Specifications	60
		All Other Design Costs	16
	(c)	Total	76
	(d)	Contract	
	(e)	In-house	76
		struction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

Page No

1. COMPONENT							2	. DAT	CE
	FY 1996 MIL				PROGE	MAN	1		
AIR FORCE		omputer o						3 DE	EA CONST
3. INSTALLATION A	ND LOCATION		4. CO				9		
			AIR E						T INDEX
RANDOLPH AIR FORCE BASE, TEXAS AND TRAINING COMMAND						87			
6. PERSONNEL		ANENT		UDENT			PORTE		- mombit
STRENGTH	OFF EN			ENL	CIV		ENL	_	
a. As of 30 SEP 9	3 1	1				31		219	
o. End FY 2000	1577 28					31	27	219	8,731
		NVENTORY	DATA	(\$000	<u> </u>				
a. Total Acreage:							_	06.0	
o. Inventory Total	l As Of: (30	SEP 94)					1	86,24	
c. Authorization								5,30	
d. Authorization	Requested In	This Pro	gram:					3,10	•
e. Authorization			Progr	am:	(FY	1997)		2,47	•
f. Planned In Nex	t Four Progra	m Years:		£				21,10	
g. Remaining Defi	ciency:							15,70	
h. Grand Total:							2	33,91	1.7
B. PROJECTS REQUE	STED IN THIS	PROGRAM:	FY 1	996					
CATEGORY						COST	DE	SIGN	STATUS
CODE	PROJECT TITLE		<u>s</u>	COPE		(\$000	<u>) s</u>	TART	CMPL
136-664 UPGRADE	AIRFIELD LIGH	TING	3	9,600	LF	1,90	о ји		OCT 95
179-511 FIRE TRA	INING FACILIT	Y			LS	1,20	<u>o</u> Ju	N 94	JUL 95
				TOTAL		3,10			
9a. Future Proje	cts: Include	d in the	Follo	wing	Prog	cam (F	Y 199	7)	
113-321 JPATS AD	D TO AND ALTE	R BEDDOW	N		LS	2,47	0		
FACILIT	IES						_		
				TOTAL		2,47	0		
9b. Future Proje	cts: Typical	Planned	Next						
149-962 CONTROL						2,70			
219-944 BASE CIV						5,80			
442-758 CONSOLID	ATED LOGISTIC	S COMPLE	х 16	2,500	SF	10,50	0		
880-217 FIRE PRO	TECTION SYSTE	M		4,970		2,10			
10. Mission or M	ajor Function	s: Head	quarte	ers Ai	r Ed	ucatio	n and	l Tra	ining
Command; Headquar	ters Nineteen	th Air F	orce;	a fly	ing '	traini	.ng wi	ing w	ith
T-1, T-37, and T-	38 instructor	pilot t	rainir	ng and	Und	ergrad	luate	Navi	gator
Training (UNT) us	ing T-37 and	T-43 air	craft;	HQ A	ir F	orce F	lecrui	Lting	
Service; AF Manag	ement Enginee	ring Age	ncy; A	AF Mil	itar	y Pers	onnel	l Cen	ter;
AF Civilian Perso	nnel Manageme	nt Cente	r; and	Head	lquar	ters A	ir Fo	orce	
Services Agency.	_						*****		
11. Outstanding	pollution and	safety	(OSH)	defic	ienc	ies:			
-	-								
a. Air poll	ution:								0
b. Water po									0
	onal safety a	nd healt	h:						0
-	vironmental:								0
G. Other En									

1. COMPONENT			2. DATE
	FY 1996 MILITARY CO	NSTRUCTION PROJECT	DATA
AIR FORCE	(compute	r generated)	
3. INSTALLAT	ION AND LOCATION	4. PROJECT T	ITLE
RANDOLPH AIR	FORCE BASE, TEXAS	UPGRADE AIRF	IELD LIGHTING
5. PROGRAM E	LEMENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)

TYMX933007

136-664

8.57.96

9. COST ESTIMA	TES	r		
	1		UNIT	COST
ITEM	א/ט	QUANTITY	COST	(\$000)
UPGRADE AIRFIELD LIGHTING	LF	39,600		1,067
RUNWAY LIGHTING	LF	20,800	26	( 541)
TAXIWAY LIGHTING	LF	18,800	28	( 526)
SUPPORTING FACILITIES				545
DISTANCE MARKERS/WIND CONES	LS			( 100)
THRESHOLD LIGHTING	LS			( 350)
VISUAL GLIDESLOPE INDICATOR	LS	'		( 95)
SUBTOTAL				1,612
CONTINGENCY (10%)		ļ		161
TOTAL CONTRACT COST		İ		1,773
SUPERVISION, INSPECTION AND OVERHEAD (6%)				106
TOTAL REQUEST				1,879
TOTAL REQUEST (ROUNDED)	i			1,900
			İ	
	1			

- 10. Description of Proposed Construction: Upgrade the west airfield lighting system. Work includes upgrade of the runway and overrun lights, cables, threshold lights, distance markers, taxiway lights, visual glideslope indicators, ductbanks and manholes, wind cones, and necessary support.
- 11. REQUIREMENT: 79,200 LF ADEQUATE: 39,600 LF SUBSTANDARD: 39,600 LF PROJECT: Upgrade airfield lighting. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project is required to properly modify, upgrade and standardize existing airfield lighting systems and visual navigational aids to meet FAA and Air Force standards. This will improve operational safety, reliability, and efficiency of the airfield through the use of equipment, fixtures and materials that can be adequately maintained. This lighting upgrade was identified in the 1988 MAJCOM Master Planning Study of Airfield Lighting Systems and is required for the proper training and safety of inexperienced pilots.

CURRENT SITUATION: Instructor pilot students fly 124 sorties per day to comply with the flying syllabus. The majority of the airfield lighting system has been in place since 1951. Piecemeal repair projects have not eliminated major problems. The Major Command lighting study revealed the following major operational problem areas: (1) lighting intensities do not meet FAA or Air Force standards, (2) excessive current losses in cables resulting from advanced stages of insulation deterioration and (3) existing visual approach slope indicator lights do not meet current flight safety requirements. The base has experienced three outages of the west airfield lighting system within the past year.

1,900

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATIO	N AND LOCATION  ORCE BASE, TEXAS	
4. PROJECT TIT	LE 5.	PROJECT NUMBER
UPGRADE AIRFIE	LD LIGHTING	TYMX933007

will be non-operational if outage occurs during inclement weather or night flying. Student pilots will not meet curriculum schedules when night flying is stopped. Safety of the pilots will continue to be in jeopardy when random outages occur.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
	FORCE BASE, TEXAS	
4. PROJECT T	ITLE	5. PROJECT NUMBER
UDCDADE ATDE	THE R I TOUMING	TYMX933007
UPGRADE AIRF	ELD LIGHTING	11MX933007
12. SUPPLEME	מתאו האתא.	
12. SUPPLEME	MIRL DAIA:	
a Estimat	ed Design Data:	
a. Bacimat	ed besign baca.	
(1) St	atus:	
	Date Design Started	93 JUN 01
	Parametric Cost Estimates used to develop	
, ,	Percent Complete as of Jan 1995 '	35%
(a)	Date 35% Designed.	94 MAR 17
(e)	Date Design Complete	95 OCT 15
(2) Ba	asis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a)	Production of Plans and Specifications	111
	All Other Design Costs	25
• • • • • • • • • • • • • • • • • • • •	Total	136
, ,	Contract	111
(e)	In-house	25
(4) Co	nstruction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

Page No

1. COMPONENT							2. DATE
	FY 19	96 MILITA	RY CC	NSTRUC:	TION PROJE	ECT DATA	
AIR FORCE		(00	mpute	er gener	rated)		
3. INSTALLAT	ON AND LO	CATION		·—··	4. PROJEC	TITLE	
RANDOLPH AIR	FORCE BAS	SE, TEXAS			FIRE TRAI	NING FACIL	ITY
5. PROGRAM EI	EMENT 6.	CATEGORY	CODE	7. PRO	JECT NUMBE	ER 8. PROJ	ECT COST(\$000)
8.57.56		179-511		TYM	(973003		1,200

9. COST ESTIMATES

J. CODI EDITIMI				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FIRE TRAINING FACILITY	LS			900
SUPPORTING FACILITIES				170
UTILITIES	LS			( 70)
PAVEMENTS	LS			( 50)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				1,070
CONTINGENCY (5%)		•		54
TOTAL CONTRACT COST				1,124
SUPERVISION, INSPECTION AND OVERHEAD (6%)	İ			67
TOTAL REQUEST				1,191
TOTAL REQUEST (ROUNDED)				1,200
	:			
		l		

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since November 1993; thus, live fire training cannot currently be conducted. Minimal training is conducted using mock-up structures with no fire or heat capability. This training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area that can support this requirement. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS 4. PROJECT TITLE 5. PROJECT NUMBER FIRE TRAINING FACILITY TYMX973003

## Account.

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

. COMPONEN		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	
IR FORCE	(computer generated)	
. INSTALLA	TION AND LOCATION	
ANDOLPH AI	FORCE BASE, TEXAS	
. PROJECT	TITLE	5. PROJECT NUMBER
IRE TRAINI	IG FACILITY	TYMX973003
2. SUPPLE	IENTAL DATA:	
a. Estim	ted Design Data:	
a. Docaiiii	tota bebrgii bata.	
(1)	Status:	
` (	) Date Design Started	94 JUN 23
(i	) Parametric Cost Estimates used to develop	costs Y
(0	Percent Complete as of Jan 1995	60%
((	l) Date 35% Designed.	94 JUL 19
(•	e) Date Design Complete	95 JUL 17
(2) 1	dasis:	
• •	) Standard or Definitive Design -	YES
(1	) Where Design Was Most Recently Used -	MOODY
(3)	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	) Production of Plans and Specifications	50
	All Other Design Costs	16
	) Total	66
(0	) Contract	
(€	) In-house	66
(4)	onstruction Start	96 JAN
	•	
. Equipmen	t associated with this project will be provid	ed from
mer approp	riations: N/A	

1. COMPONENT								2.	DAT	E
	1996 MILITA	RY CON	ISTRUC	TION E	PROGE	RAM		1		
AIR FORCE		uter c								
3. INSTALLATION AND L		1		MMAND				5.	ARE	A CONS
3. INSTALLATION AND L	OCATION			DUCATI	ON					T INDI
nand bid bodge byce	ጥሮሃአር			RAINI		MMANE	)		0.	
REESE AIR FORCE BASE, 6. PERSONNEL	PERMANE			UDENTS			PPOR	TED		
	OFF ENL	CIV	OFF		CIV	OFF	EN		IV	TOTAL
STRENGTH a. As of 30 SEP 94	362 620		121						65	1,5
	349 411								65	1,18
b. End FY 2000	7. INVE			(5000)						
matal Danasan /	3,953)	MICKI	D	(4000						
a. Total Acreage: ( b. Inventory Total As		P 941						112	, 82	1
<ul><li>c. Authorization Not</li></ul>	Vot In Inver	toru							90	
c. Authorization Not d. Authorization Requ	set of In The	e Proc	ram.					1	, 20	0
d. Authorization keque. Authorization Incl	ested in ini	lowing	Progr	am•	(FY 1	1997)		_	-	0
e. Authorization Incl	uded in roii	'oarce	FIOGI	4				23	, 32	
f. Planned In Next Fo		ears.							,30	
g. Remaining Deficien	cy:								,54	
h. Grand Total:	THE MILE OF PROCESS	CDAY.	EV 1	996	<del></del>				<del>,</del>	<u>•</u>
8. PROJECTS REQUESTED	IN THIS PRO	JGRAM:	rı ı	. 9 9 0		cosi	г .	DEST	GN	STATU
CATEGORY	nom mimi H			COPE		(\$000		STA		CMP
CODE PROJ	ECT TITLE		=	COPE		13000	<u> </u>	517		0111
	C DECIT TOU				LS	1,20	00	TIIN	94	JUL 9
179-511 FIRE TRAININ	G FACILITY			TOTAL	-	1,20		0011	•	
9a. Future Projects:	T-sluded i	n the						9971	NO	NE
	Theraged 1	lanned	Nevt	FOUR '	Vear	3:				
9b. Future Projects: 113-321 UPGRADE AIRF			HCXC	1001	LS	7,10	00			
		113	1	0,000						
113-321 UPGRADE AIRF 136-664 UPGRADE AIRF		viC.		7,300						
		10		8,100		1,30				
211-159 ACFT CORROSI	ON CONTROL			0,100		-,-				
FACILITY	MDAMION FAC	יו דייי	1	2,500	SE	1.20	00			
610-128 BASE ADMINIS 10. Mission or Major	Functions:	A fl	vina t	raini	חמ ש	ing t	hat	cond	luct	s
10. Mission of Major Undergraduate Pilot T	runccions.	n 1+1 n T−1	T-37	and '	r-38	airc	raft			
Undergraduate P110t 1	raining with	efety	(OSH)	defic	ienc	ies:				
11. Outstanding poll	ucion and so	arecy	(3511)	40110						
*:									C	)
a. Air pollutio									C	
<ul><li>b. Water pollut</li></ul>									c	
			h •							
<ul><li>c. Occupational</li><li>d. Other Environal</li></ul>		healti	h:						c	

1. COMPONENT											2.	DATE
	F	Y 19	996 MILITARY	CONS	TRUCI	CION	PRO	JECT	DATA	A.		
AIR FORCE			(compu	ter	gener	ate	d)					
3. INSTALLATI	ON ANI	) LO	CATION			4.	PRO	JECT :	ritli	E	^	
REESE AIR FOR	CE BA	SE,	TEXAS			FIR	E TI	RAINII	NG F	ACILI	ΓY	
5. PROGRAM EL	EMENT	6.	CATEGORY COD	E 7.	PROJ	JECT	NU	ABER	8. 1	PROJE	CT (	COST (\$000
8.57.56			179-511		UBNY	7973	000					1,200
			9. CO	ST E	STIM	TES						
										UNI	r	COST
			rem				ש/ט	QUAN:	TITY	cos	<u> </u>	(\$000)
FIRE TRAINING	FACII	LIT	ď			l	LS					900
SUPPORTING FA	CILIT	IES				ı						170
UTILITIES						- 1	LS					( 70
PAVEMENTS							LS					( 50
SITE IMPROV	EMENT:	S .				1	LS					(50
SUBTOTAL												1,070
CONTINGENCY (	•	_						•				54
TOTAL CONTRAC									:			1,124
SUPERVISION,		CTIC	ON AND OVERHE	AD (	6%)							67
TOTAL REQUEST						l						1,191
TOTAL REQUEST	(ROUI	ADEL	7)			ł						1,200
,						- 1						
						1						

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since December 1993; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using mock-up structures with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no enviromentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
REESE AIR FORCE BASE, TEXAS	
4. PROJECT TITLE 5. PR	ROJECT NUMBER
FIRE TRAINING FACILITY	BNY973000

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT			2. DATE	2
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ra		
AIR FORCE	(computer generated)			
3. INSTALLAT	TION AND LOCATION			
	PRCE BASE, TEXAS	E 22.		
4. PROJECT 1	TTLE	5. PRO	JECT NU	MBER
FIRE TRAININ	C FACTITAV	TIEN	12973000	1
TRE TRAINIT	G FACIBITI	OBI	11973000	
12. SUPPLEM	ENTAL DATA:			
a. Estima	ted Design Data:			
\ - <i>i</i>	tatus:			
•	) Date Design Started		94 JU	N 23
	) Parametric Cost Estimates used to develop of	costs		Y
	) Percent Complete as of Jan 1995			60%
	) Date 35% Designed.		94 JU	-
(€	) Date Design Complete		95 JU	L 17
(2) E	asis:			
	) Standard or Definitive Design -		YES	
· · · · · · · · · · · · · · · · · · ·	) Where Design Was Most Recently Used -		MOOD	Y
·				
(3)	otal Cost (c) = (a) + (b) or (d) + (e):		(	\$000
•	) Production of Plans and Specifications			50
	) All Other Design Costs			16
-	) Total			66
•	) Contract			
(€	) In-house			66
(4)	Onstruction Start		96	JAN
(4)	onestaction but t		90	אומט
. Equipmen	t associated with this project will be provide	ed from	1	

other appropriations: N/A

1. COMPONENT								2. DA	re
AIR FORCE	1996 MILIT	ARY CO. puter :			PROGI	RAM			
3. INSTALLATION AND L			7	DMMAND	-			5 ADI	EA CONST
3. INSTALLATION AND D	OCATION		1	EDUCAT:	TON		1		
							. 1		ST INDEX
SHEPPARD AIR FORCE BA			<del></del>	RAINII					.90
6. PERSONNEL	PERMANI	ENT		TUDENTS			PORT		_
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	684 2828	1493	223	2758		166	3	7 86	8,275
b. End FY 2000	712 3009	1425	219	3199		166	3	7 86	8,853
	7. INV	ENTORY	DATA	(\$000)	)				
a. Total Acreage: (	6,158)			<del></del>					
b. Inventory Total As		EP 94)						301,46	59
c. Authorization Not								40,22	i
d. Authorization Requ			ram.					1,50	1
e. Authorization Requ				-am+ 4	ו עמו	9971		9,70	1
			Progr	am:	( F I I	. 7 7 / )		-	, ,
f. Planned In Next Fo	_	ears:		•				9,30	
g. Remaining Deficien	cy:							27,60	
h. Grand Total:								389,78	39
8. PROJECTS REQUESTED	IN THIS PRO	OGRAM:	FY 1	.996		•			
CATEGORY						COSI	, <u>D</u>	ESIGN	STATUS
CODE PROJ	ECT TITLE		5	COPE		(\$000	<u>)</u>	START	CMPL
136-664 UPGRADE AIRF	IELD LIGHTIN	1G	2	8,900	LF _	1,50	0 J	UL 91	OCT 95
				TOTAL:	!	1,50	0		
9a. Future Projects:	Included i	n the	Follo	wing F	rogr	am (F	Y 19	97)	
442-758 CONSOLIDATED				6,800	_				
				TOTAL:	_	9,70	_		
9b. Future Projects:	Typical Pl	anned							
171-623 COVERED AIRC				8,500		1,00	0		
EQUIPMENT T				0,000		_,	_		
610-243 ADD TO AND A			1	6,100	T2	8,30	n		
			_	0,100	51	0,50	·		
HEADQUARTER		2 4				onaib	lo f	<u> </u>	araft
10. Mission or Major									1
maintenance, civil end									
flying training wing									
that train US and NATO	o pilots und	ier the	e Euro	-NATO	Join	t Jet	Pil	ot Tra	inning
Program (ENJJPT).									
11. Outstanding poll	ution and sa	fety	(OSH)	defici	enci	.es:			ļ
nt								c	, <u> </u>
a. Air pollution								0	Į.
b. Water pollut.									
c. Occupational	_	health	1:					C	i
d. Other Environ	nmental:							C	)

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE SHEPPARD AIR FORCE BASE, TEXAS UPGRADE AIRFIELD LIGHTING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 8.57.96 136-664 VNVP933017 1,500 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) UPGRADE AIRFIELD LIGHTING 28,900 17 491 SUPPORTING FACILITIES 795 DISTANCE MARKERS/WIND CONES LS (125)THRESHOLD LIGHTING LS (215)APPROACH LIGHTING SUPPORTS/FLASHERS LS ( 335) VISUAL GLIDESLOPE INDICATOR LS 120) SUBTOTAL 1,286 CONTINGENCY (10%) 129 TOTAL CONTRACT COST 1,415 SUPERVISION, INSPECTION AND OVERHEAD (6%) 85 TOTAL REQUEST 1,500 TOTAL REQUEST (ROUNDED) 1,500 10. Description of Proposed Construction: Upgrade airfield lighting system. Work includes modernizing airfield lighting vault, replacing light fixtures, handhole covers, distance markers, wind cones, approach supports and flashers, visual glideslope indicator, and necessary support. REQUIREMENT: 28,900 LF ADEQUATE: 0 SUBSTANDARD: PROJECT: Upgrade airfield lighting. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project is required to properly modify, upgrade and standardize existing airfield lighting systems and visual navigational aids to meet FAA and Air Force standards. This will improve operational safety, reliability, and efficiency of the airfield through the use of equipment, fixtures and materials that can be adequately maintained. This lighting upgrade was identified in the 1988 MAJCOM Planning Study of Airfield Lighting Systems and is required for the proper training and safety of inexperienced student pilots. CURRENT SITUATION: Instructor pilot students fly 300 sorties per day to comply with the strict flying syllabus. A majority of the airfield lighting system has been in place since 1952. Piecemeal repair projects have not eliminated major problems. The lighting study revealed the following major operational problem areas: (1) the 2400 volt exposed conductor system in the lighting vault presents a serious safety hazard, (2) unavailability of parts for antiquated voltage regulators, and (3) lighting intensities do not meet FAA or Air Force standards. The current lease agreement with the City of Wichita Falls, joint users of the airfield, runs through the year 2009 and states the Air Force will maintain the airfield lighting system. IMPACT IF NOT PROVIDED: Airfield will be non-operational during inclement

_		*********						
	1. COMPONENT					_	2. D	ATE
		FY 1996	MILITARY	CONSTRUCTION	PROJECT DA	TA		
	AIR FORCE		(compi	uter generate	d)			
	3. INSTALLAT	ION AND LOCAT	CION					
	SHEPPARD AIR	FORCE BASE,	TEXAS					
Į	4. PROJECT T	ITLE				5. P	ROJECT	NUMBER
	UPGRADE AIRF	IELD LIGHTING	<b>;</b>			l v	NVP9330	)17

weather/night flying for an extended period if an outage occurs due to a failed regulator. Student pilots will not meet curriculum schedules when night flying is stopped. Safety of the pilots will continue to be in jeopardy. Will violate lease agreement with City of Wichita Falls.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ΓA	
AIR FORCE	(computer generated)		
3. INSTALLATIO	ON AND LOCATION		
	FORCE BASE, TEXAS	T	
1. PROJECT TIT	LE	5. PRO	DJECT NUMBER
IDCDADE ATDETS	NID I TOUMING		mo22012
JPGRADE AIRFIE	LLD LIGHTING	VNV	VP933017
l2. SUPPLEMEN	ITAL DATA:		
	The british		
a. Estimate	ed Design Data:		
	<b>_</b>		
(1) Sta	itus:		
(a)	Date Design Started		91 JUL 22
(b)	Parametric Cost Estimates used to develop	costs	Y
(c)	Percent Complete as of Jan 1995 '		35%
	Date 35% Designed.		92 APR 10
(e)	Date Design Complete		95 OCT 15
(2) Bas	is:		
· ·	Standard or Definitive Design -		NO .
(b)	-		N/A
/3\ max			
	al Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Costifications		(\$000)
(a)	Production of Plans and Specifications All Other Design Costs		90
	Total		33 123
· •	Contract		90
, ,	In-house		33
			0.0
(4) Con	struction Start		96 JAN

other appropriations: N/A

							_					
1. COMPONENT									2.	TAD	E	l
NAME OF THE PARTY	FY 1996	MILITAR (compu				PROGE	KAM					
AIR FORCE	N NAD LOCATIO		ACEL C		DMAMM				5.	ARE	A CON	ST
3. INSTALLATIO	N AND LOCATIO	N		4	טאמיייייט						T IND	i
						0010	(3.170			0.		LA
LANGLEY AIR FO					OMBAT					<del>"</del>	92	
6. PERSONNEL	I	PERMANEI	TV	Si	UDENTS			PORT				_
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	, <u>c</u>			
a. As of 30 SE	P 94 2207	6466	1894				13		7 3	- 1	•	
b. End FY 2000	1802	5830	1593				13		7 3	55	9,6	00
		7. INVE	NTORY	DATA	(\$000)	)						
a. Total Acrea		369)										- 1
b. Inventory T			941						266	, 45	6	ı
c. Authorizati	on Not Vot Tr	Invent	corve							, 92		ı
d. Authorizati	On NOC 1et 1	To mbia	Droc	~~~m•						, 26		
d. Authorizati	on Requested	TII TIITS	o FLO	Drogs	-am.	/FV 1	19971			•		
e. Authorizati	on incinaca 1	ru torre	ow Tild	Frogi	t (2001)	(	,		1/	, 60	o .	
f. Planned In		ogram Ye	ears:		-					,00 ,01		1
g. Remaining D										•		l
h. Grand Total	:								369	, 69	2	
8. PROJECTS RE	QUESTED IN TH	HIS PRO	GRAM:	FY ]	1996							
CATEGORY							COST	_			STATU	- 1
CODE	PROJECT T	TLE		5	COPE		(\$000	<u>)</u>	STA	RT	CMP	ഥ
610-284 ALTER	AIR COMBAT	COMMAND				LS	26	3 3	IAN '	91	JUL	91
Ī	QUARTERS FAC											l
871-183 UPGRA			YSTEM			LS	1,00	1 0	(AY	94	SEP	95
8/1-103 OFGKA	DE STORM DIGI.				TOTAL	_						1
O- Future Dm	ojects: Inc	luded in	n the	Follo					971			$\neg$
9a. Future Pr 610-284 ADD T	OJECCS. INC.	IGGCG I	COMBA	r [	50,000	SF	4.60	00	•			- 10
			COMBIN.	•	30,000	-	.,	-				I.
î .	AND FACILITIE					LS	1,00	.Ω				
831-155 INDUS						Lo	1,00	,,,				
	REATMENT FAC							_				- 1
832-266 UPGRA	DE SANITARY	SEWER S	YSTEM			LS -						- 1
					TOTAL		8,44	10				
9b. Future Pr	ojects: Typ:	ical Pla	anned	Next	Four :	Year	5: -					1
211-159 ACFT	CORROSION CO	NTROL F	CLTY		30,000							1
214-425 ADD T	O VEHICLE MA	INTENAN	CE		5,200	SF	1,10	00				
	LITY											
721-312 DORMI					288	PN	5,50	00				
740-674 PHYSI		CENTER			24,000	SF	2,50	00				
10. Mission o	or Major Funct	tions:	Head				mbat C	Comm	and;	a		
fighter wing w	ith three F-	15 fiah	ter s	- guadro	ons an	d c-:	21/UH-	-1 a	ircr	aft	; two	<b>,</b>
intelligence s	miadrone: and	d the III	SAF D	octri	ne Cen	ter.	•					\
incerrigence s	ng pollution	and ea	fety	(OSH)	defic	ienc	ies:		-			
11. Outstandi	ing portuction	and sa	recy	(5511)	20110	•						
									1	500	)	
_	ollution:								20,			
	pollution:								20,	_		
	ational safe		healt	h:						(		
d. Other	Environment	al:								(	,	
												1

1. COMPONENT										2. DA	re
ATD 50000	FY	1996	MILITA				PROGI	RAM			
AIR FORCE  3. INSTALLATI	ON AND TO	O D TO T		outer o		MMAND				E ADI	EA CONST
3. INSTALLATI	ON AND LO	CATTO	JI4			MMAND	rv				ST INDEX
FAIRCHILD AIR	FORCE B	.cr 1	.77 CUTNO		COMMA		1 1				.11
6. PERSONNEL	FORCE BA		PERMANI			UDENTS		SIIIS	PORT		. + 1
STRENGTH	-		ENL							CIV	TOTAL
a. As of 30 S	NO 077		4008			35	CIV	3		7 126	
		f .	4060			35		3		7 126	. ,
b. End FY 200			7. INV					3		/ 120	5,/14
a. Total Acre	2222		7 <del>. 1</del> NVI	ENTORI	DAIA	(3000	<u>'                                     </u>				
b. Inventory	-			1 N D G G						335,69	3.1
c. Authorizat			-						•	24,31	
d. Authorizat				_	,					7,50	
e. Authorizat						m·	(EV 1	0071		18,30	
f. Planned In				_	Progr	am:	(FI .	1997)		25,80	
g. Remaining			ogram :	lears:						41,95	
h. Grand Tota		-y:								453,61	
8. PROJECTS R		TN TH	JTC DD(	CPAM.	EV 1	996	***		······································	455,61	. 0
CATEGORY	EQUESTED	114 11	.115 FAC	JGKM1.	ri i	. 5 5 0		COST	ום י	ESTON	STATUS
CODE	PRO.TE	CT T	ים. די			COPE		(\$000	_	START	·
CODE	INOUI	201 1.	1111		. =	<u> </u>		7,000	<u>., .</u>	JIMMI	CHTL
721-312 ALTE	R DORMITC	DRIES				216	ΡN	7.50	וב חו	IG 94	SEP 95
/21 JIZ REIL	n boldill	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				TOTAL:	-	7,50	_	36 34	SEF JU
9a. Future F	rojects:	Inc	luded	in the	Fol 1c					971	
121-122 KC-1	-						_	10,90		. ,	
141-753 KC-1						0,900					
	CRAFT MAI			•		,,,,,		0,00	, ,		
411-135 UNDE							LS	1,10	00		
						TOTAL:	_	18,30	_		
9b. Future P	rojects:	Typ	ical P	lanned	Next						
131-111 COMM						8,000			0		
136-664 UPGR	ADE RUNWA	Y LIC	SHTING	SYSTE		•		4,00			
171-214 WATE						9,700					
FAC	ILITY					•		·			
442-758 BASE	SUPPLIES	5 & E	QUIP W	ISE	2	25,000	SF	3,20	00		
610-249 WING						8,300					
10. Mission				An a:						ve KC-	-135
air refueling							-	-			
KC-135 squadr											
that conducts										9	3F
	ing pollu	-					ienc	les:			
	<b>J</b> F				( /						
a. Air	pollution	1:								(	ס
	r polluti									2,500	
	pational		tv and	health	1:						)
	r Enviror		-		=						)
										•	_

1. COMPONENT									2	. DATE
	F	1996	MILIT	ARY C	ONSTRUC	CTION	PROJECT	r Da'	TA	
AIR FORCE			(0	ompute	er gene	erate	d)			
3. INSTALLAT	ION AND	LOCAT	NOI			4.	PROJECT	TIT	LE	
FAIRCHILD AIR	R FORCE	E BASE,	WASH	INGTO	N	ALT	ER DORM	TOR	IES	
5. PROGRAM EI	LEMENT	6. CAT	regory	CODE	7. PR	JECT	NUMBER	8.	PROJECT	COST(\$000)
4.18.96		72	21-312		GJI	(Z980	002			7,500

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORIES (216 PN)				5,700
ALTERATION	SF	95,000	58	(5,510)
AUTOMATIC SPRINKLER PROTECTION	SF	95,000	2	( 190)
SUPPORTING FACILITIES				735
UTILITIES	LS			( 230)
PAVEMENTS	LS			( 190)
SITE IMPROVEMENTS	LS			( 140)
ASBESTOS ABATEMENT	LS			( <u>175</u> )
SUBTOTAL	1			6,435
CONTINGENCY (10%)				644
TOTAL CONTRACT COST	İ			7,079
SUPERVISION, INSPECTION AND OVERHEAD (6%)				425
TOTAL REQUEST				7,504
TOTAL REQUEST (ROUNDED)				7,500

10. Description of Proposed Construction: Alter three, two-story dormitories. Includes upgrading mechanical and electrical systems, interior finishes, bathroom fixtures, installation of individual storage lockers, converting flat roof to a sloped roof, providing game/lounge rooms, laundry rooms, fire protection, asbestos abatement, site improvements, and necessary support.

Air Conditioning: 65 Tons. Grade Mix: 216 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Alter dormitories. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 216 personnel: 216 E1-E4, with a maximum utilization of 216 personnel.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1953 and have had no major repairs in over 10 years. These dormitories are substandard when compared to the current living standards. Inadequate lighting and electrical power, substandard mechanical and plumbing systems, and deteriorated interior and exterior finishes are all major inefficiencies of the buildings.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in the new

1. COMPONENT			2. DATE
FY	1996 MILITARY CONSTRUCTION PROJECT DAT	A	
AIR FORCE	(computer generated)		
3. INSTALLATION AND	LOCATION		
FAIRCHILD AIR FORCE	BASE, WASHINGTON		
4. PROJECT TITLE		5.	PROJECT NUMBER
ALTER DORMITORIES			GJKZ980002

uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost effective over the life of the project. The fire protection system for this project meets new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 94. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra
IR FORCE	(computer generated)	
. INSTALLA	ION AND LOCATION	
א דם כשוות א'	R FORCE BASE, WASHINGTON	
. PROJECT		5. PROJECT NUMBER
LTER DORMI	ORIES	GJKZ980002
o cuppi Bi	TANTA T DAMA.	
2. SUPPLE	ENTAL DATA:	
a. Estima	ted Design Data:	
	:	
\ - /	tatus:	94 AUG 26
( ;	) Date Design Started	
	) Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1995	359
	) Date 35% Designed.	94 OCT 14
(	e) Date Design Complete	95 SEP 08
(2)	asis:	
	) Standard or Definitive Design -	NO
	) Where Design Was Most Recently Used -	N/A
(3)	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
• •	Production of Plans and Specifications	450
•	All Other Design Costs	300
•	Total	75
	Contract	55
	) In-house	20
	and the state of t	96 AP
(4)	construction Start	50 AF1
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. Equipmen	t associated with this project will be provide	eu irom

1. COMPONENT	V 1006 MTTT	תאפע מס	Nempus	י זיי דיייי	DDOO			2. D	ATE	
AIR FORCE	Y 1996 MILI (co	mputer			r RUG	MM				
3. INSTALLATION AND		pu cer	1	MMAND			·	5. A	REA CO	NS
				OBILI	ΓY			1	OST IN	
MCCHORD AIR FORCE BA	SE, WASHING	TON	СОММА						1.08	
6. PERSONNEL	PERMA		SI	UDENT	s	SUE	POR	red		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENI	CI	V TOI	'AL
a. As of 30 SEP 94	522 395	5 1250				25		28 10:	3 5,	88
b. End FY 2000	503 368	5 1177				25	2	28 10:	3 5,	52
		VENTORY	DATA	(\$000	)					
a. Total Acreage: (										
b. Inventory Total A		-						201,		
c. Authorization Not		_						11,7		
d. Authorization Req								9,9		
e. Authorization Inc		_	Progr	am:	(FY	1997)		5,4		
f. Planned In Next F	_	Years:						10,6		
g. Remaining Deficie	ency:							67,4		
h. Grand Total:								306,6	521	
8. PROJECTS REQUESTE	D IN THIS P	ROGRAM:	FY 1	.996			_			
CATEGORY			_			COST	_		V STAT	
<u>CODE</u> <u>PRO</u>	JECT TITLE		2	COPE		(\$000	<u>))</u>	START	CM CM	PL
141-753 SQUADRON OP	•		3	1,600	SF	5,60	00 2	AUG 94	JUN	9
	E UNIT FACI	LITY								_
721-312 DORMITORY				TOTAL:		9,90		AUG 94	YAM I	9
9a. Future Projects	: Included	in the	Follo					1971		
721-312 ALTER DORMI		111 0	10110	_	PN	-		,,,		
				TOTAL:	-	5,40				
9b. Future Projects	: Typical	Planned	Next							•••••
219-000 BASE ENGINE				5,175			0			
411-135 IMPROVE JET	FUEL STORA	GE			LS	2,00	0			
10. Mission or Majo										
three C-141 squadron										
Northwest Air Defens		_								
Defense Sector 95/2		-					rd;	and a	an Air	
National Guard air d										
<ol> <li>Outstanding pol</li> </ol>	lution and	sarety	(OSH)	defic	renc	les:				
n Nim mallumi									•	
a. Air polluti								2.04	0	
b. Water pollu			ı_					3,00		
c. Occupationa		d healt	n:					9,70		
d. Other Envir	onmental:								0	
	•									

	1. COMPONENT										2	DATE	
i		FY	1996 M	ILITA	RY CC	ONS	ructi	ON	PROJECT	DA:	ra An		
	AIR FORCE			(00	mpute	er	genera	ite	d)				
	3. INSTALLATI	ON AND	LOCATI	ON			4	1. 1	PROJECT '	riti	LE		
							5	QU	ADRON OP	ERA?	CIONS/AI	RCRAFT	
	MCCHORD AIR F	ORCE E	ASE, WA	SHING	TON			IAI	NTENANCE	UN	T FACIL	ITY	
	5. PROGRAM EI	EMENT	6. CATE	GORY	CODE	7.	PROJE	CT	NUMBER	8.	PROJECT	COST (\$00	00)
i					ı								
į	4.18.96		141	-753	l		PQWY9	630	004	ĺ		5,600	

9. COST ESTIMATI	<u> </u>			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
SQUADRON OPERATIONS/AIRCRAFT			, "	
MAINTENANCE UNIT FACILITY	SF	31,600	130	4,108
SUPPORTING FACILITIES		j		935
UTILITIES	LS			( 310)
PAVEMENTS	LS			( 290)
SITE IMPROVEMENTS	LS			( 225)
ELEVATOR	EA	' 1	110,000	(110)
SUBTOTAL	ı			5,043
CONTINGENCY (5%)	İ			252
TOTAL CONTRACT COST	1			5,295
SUPERVISION, INSPECTION AND OVERHEAD (6%)				318
TOTAL REQUEST	1		i	5,613
TOTAL REQUEST (ROUNDED)				5,600
	1			

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, and necessary support.

Air Conditioning: 65 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) project. It is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized, interim, and dispersed facilities into a functional and adequately sized structure to support large framed aircraft. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, tool rooms, standardization/evaluation, locker rooms, flying/ground safety, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: There are no adequate facilities to support wide framed aircraft consolidated Sq Ops/AMU operations at McChord AFB. Currently there are three operations and two maintenance facilities in use. These facilities provide less than half of the required space and

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT D	ATA	2. DA	TE
AIR FORCE	(computer generated)			
	ON AND LOCATION ORCE BASE, WASHINGTON			
4. PROJECT TI		5. P	ROJECT	NUMBER
SQUADRON OPER	ATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	P	QWY9630	04

are scattered throughout McChord AFB. The operations personnel of the flying squadron currently operate in an overcrowded, improperly configured facility far from the squadron maintenance personnel on the flightline. The supporting AMU occupies an overcrowded, improperly configured, and temporary modular facility approved for use only until completion of this project. The squadron life support functions are shoehorned in with two other squadron life support elements in a single overcrowded facility at a third location on base. This physical separation creates fragmented lines of communications and authority.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA	
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
MCCHODD ATD E	ORCE BASE, WASHINGTON		
4. PROJECT TI		5. PRO	JECT NUMBER
SQUADRON OPER	ATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	PQW	Y963004
12. SUPPLEME	NUMBER DAMES		
12. SUPPLEME	NTAL DATA:		
a. Estimat	ed Design Data:		
(1) St	atus:		
` '	Date Design Started		94 AUG 14
	Parametric Cost Estimates used to develop of	costs	Y
• • •	Percent Complete as of Jan 1995		35%
(d)	Date 35% Designed.		94 OCT 14
(e)	Date Design Complete		95 JUN 29
(2) Ba	sis:		
• •	Standard or Definitive Design -		YES
(b)	Where Design Was Most Recently Used -		TRAVIS
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	Production of Plans and Specifications		300
	All Other Design Costs		200
	Total		500
•	Contract		400
(e)	In-house		100
(4) Co	nstruction Start		95 DEC
. Equipment	associated with this project will be provide	d from	

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	T. 1006 VIII TO TO		2. DATE		
NTD FORGE		ONSTRUCTION PROJECT	DATA		
AIR FORCE	(compute	er generated)			
3. INSTALLATION A		4. PROJECT	TITLE		
<del></del>	BASE, WASHINGTON	DORMITORY			
5. PROGRAM ELEMEN	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	PQWY953007	4,300		
9. COST ESTIMATES					

		1	UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
DORMITORY (92 PN)				3,335
DORMITORY	SF	32,700	100	(3,270)
AUTOMATIC SPRINKLER PROTECTION	SF	32,700	2	( 65)
SUPPORTING FACILITIES				515
UTILITIES	LS			( 150)
PAVEMENTS	LS			( 75)
SITE IMPROVEMENTS	LS			( 45)
DEMOLITION	SF	24,800	5	( 125)
ASBESTOS REMOVAL/DISPOSAL	SF	15,000	8	( 120)
SUBTOTAL				3,850
CONTINGENCY (5%)				193
TOTAL CONTRACT COST				4,043
SUPERVISION, INSPECTION AND OVERHEAD (6%)				243
TOTAL REQUEST				4,286
TOTAL REQUEST (ROUNDED)				4,300
				•
		]		

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Demolition of one dormitory and necessary support.

Air Conditioning: 65 Tons. Grade Mix: 92 El-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 92 personnel: 92 E1-E4, with a maximum utilization of 92 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements of unaccompanied enlisted personnel at this installation. Currently there are in excess of 250 E-1 through E-4 enisted personnel living off base due to lack of adequate on-base quarters. Adequate off base rentals cost an average of \$550 per month. This project will significantly reduce this existing deficit and reduce the need for \$949,043 payment of BAQ/VHA/BAS annually. Substandard facilities to be replaced do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. One substandard facility totalling 24,800 square feet will be demolished upon

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
MCCHORD AIR F	ORCE BASE, WASHINGTON	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
DORMITORY		POWY 95 3007

completion of this project.

IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Unaccompanied enlisted personnel will have to continue living off-base resulting in an annual payment of \$626,369 of BAQ/VHA/BAS.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending personnel off base paying BAQ/VHA, and status quo. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

. COMPONE		2. DATE
IR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
	ATION AND LOCATION	
22110777 7.3	D DODGE DAGE (MANAGEM	
. PROJECT	R FORCE BASE, WASHINGTON	PROJECT NUMBER
	3.	TROUBEL WORDE
ORMITORY		PQWY953007
2. SUPPI	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	Status:	
. •	(a) Date Design Started	94 AUG 05
	(b) Parametric Cost Estimates used to develop cos	ts
	(c) Percent Complete as of Jan 1995	359
	(d) Date 35% Designed.	94 OCT 0
	(e) Date Design Complete	95 MAY 1
(2)	Basis:	
	(a) Standard or Definitive Design -	YES
	(b) Where Design Was Most Recently Used -	MCCHORD
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	240
	(b) All Other Design Costs	190
	(c) Total	430
	(d) Contract	350
	(e) In-house	80
(4)	Construction Start	95 DEC
. Equipm	ent associated with this project will be provided	from
ther appr	opriations: N/A	

1 COMPONENT								1	2. DA	TE
1. COMPONENT	EV 199	6 MILITA	ARV COI	וומידצוו	ייידורא ו	PROGI	RAM			
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3. INSTALLATI	ON AND LOCAT				DIAMMO				. AR	EA CONS
J. 1110111221111	<b></b>			AIR I	FORCE				CO	ST INDE
F E WARREN AI	R FORCE BASE	, WYOMII	NG	SPACE	COMM	AND			1	.02
6. PERSONNEL		PERMANI		s:	UDENT	S	SUE	PPORT	ED	
STRENGTH	OF	F ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 S	EP 94 57	8 2966	530					2:		4,17
b. End FY 200	0 57	5 2904	509					2:	1 78	4,08
		7. INV	ENTORY	DATA	(\$000	)				
a. Total Acre	•	,610)								
b. Inventory	Total As Of:	(30 SI	EP 94)					- 2	220,2	
c. Authorizat									20,5	
d. Authorizat	ion Requeste	d In Th	is Pro	gram:					9,00	
e. Authorization Included In Following Program: (FY 1997)										
f. Planned In Next Four Program Years: 3,400										
g. Remaining									33,63 286,89	
h. Grand Tota		MUTC DD	OCDAM.	EV.	1996				200,0	<i>y</i>
8. PROJECTS R	EÕOESIED IN	IUI2 LV	JONAII.				cos	י סו	SIGN	STATUS
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	ADE CENTRAL		TNA			LS	3,50		JL 94	
021 110 0.0.		-			TOTAL	: -	9,00	00		
9a. Future P	rojects: In	cluded	in the	Follo	owing 1	Progi	am (I	FY 199	97) NO	ONE
9b. Future P	rojects: Ty	pical P	lanned	Next	Four	Years	3:			
740-884 CHIL	D DEVELOPMEN	T CENTE	R		19,500	SF	3,40			
10. Mission	or Major Fur	ctions:	Head	quart	ers Tw	entie	eth Ai	ir Fo	cce;	an
AFSPC missile wing consisting of one Peacekeeper and three Minuteman III										
intercontinen	tal ballisti	c missi	le squ	adron	with	UH-	lairo	craft	·	
11. Outstanding pollution and safety (OSH) deficiencies:										
a. Air	pollution:									0
	r pollution:								+	0
c. Occupational safety and healt			healt	h:						0
_,	r Environmer									0

1. COMPONENT			2. DATE			
	FY 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA			
AIR FORCE	(computer generated)					
3. INSTALLATION AND LOCATION 4. PROJECT TITLE			TITLE			
F E WARREN AIR FO	TORIES					
5. PROGRAM ELEMEN	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
3.59.96	721-312	GHLN961005	5,500			
9. COST ESTIMATES						

3. 6681 B8111H11				
			TINU	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORIES (200 PN)				4,654
ALTER DORMITORIES	SF	89,500	50	(4,475)
AUTOMATIC SPRINKLER SYSTEM	SF	89,500	2	( 179)
SUPPORTING FACILITIES	İ			100
SITE IMPROVEMENTS	LS			(100)
SUBTOTAL				4,754
CONTINGENCY (10%)				475
TOTAL CONTRACT COST				5,229
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314
TOTAL REQUEST				5,543
TOTAL REQUEST (ROUNDED)				5,500

10. Description of Proposed Construction: Alter three, two-story dormitory facilities to provide room-bath-room configuration. Includes electrical, structural, and mechanical modifications; asbestos and lead-based paint removal; fire sprinkler system; site improvements and all other necessary support.

Air Conditioning: 150 Tons. Grade Mix: 200 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Alter dormitories. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 200 personnel: 200 E1-E4, with a maximum utilization of 200 personnel. CURRENT SITUATION: These three historic buildings require upgrading to meet current dormitory standards. They are structurally sound, red brick, two-story (with basement) facilities constructed in 1906 as open bay cavalry barracks. The facilities are listed on the National Register of Historic Places. They were previously converted from open-bay to individual bedrooms with central latrines in 1959, but do not meet current DoD dormitory standards or local building code requirements. Existing central latrine facilities offer residents little or no privacy. Antiquated plumbing, heating and electrical systems have exceeded their life expectancy and require replacement. No fire sprinkler system exists in individual rooms as required by life safety code.

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_	4. PROJECT T		5. PROJECT NUMBER
	ALTER DORMITO	ORIES	GHLN961005

morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. Excessive energy consumption and maintenance costs will continue if these systems are not upgraded. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and

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PROJECT		5. PR	OJECT NUMBER
ALTER DORM	TORIES	GH	ILN961005
12. SUPPLI	MENTAL DATA:		
a. Estir	ated Design Data:		
(1)	; Status:		
` ,	a) Date Design Started		94 MAY 01
	Parametric Cost Estimates used to develo	p costs	1
	Percent Complete as of Jan 1995		359
	d) Date 35% Designed.		94 OCT 0:
	e) Date Design Complete		95 NOV 0:
(2)	Basis:		
	a) Standard or Definitive Design -		YES
	o) Where Design Was Most Recently Used -		F E WAR
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$00)
	a) Production of Plans and Specifications		33
	o) All Other Design Costs		22
	c) Total		55
	d) Contract		55
	e) In-house		
(4)	Construction Start		96 JA
	nt associated with this project will be prov priations: N/A	ided fro	om

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	3. INSTALLATION	N AND LOCATION		4. PRO	JECT TITLE	3	
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	F E WARREN AIR	FORCE BASE, WYON	MING	UPGRAD	E CENTRAL	HEAT PI	ANT
	5. PROGRAM ELEM	MENT 6. CATEGORY	CODE 7. PRO	DJECT NU	MBER 8. I	PROJECT	COST(\$000)
I							
I	3.59.96	821-116	GHI	N961002			3,500
		9.	. COST ESTI	(ates			
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9. COST ESTIMAT	30			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE CENTRAL HEAT PLANT	LS			2,920
REPLACE HTHW GENERATORS	EA	3	450,000	(1,350)
REPLACE CONVECTIVE SECTION	EA	3	185,000	( 555)
REPLACE CIRCULATING PUMPS	EA	3	88,330	( 265)
DEMOLISH BAGHOUSE/COAL SYSTEM	EA	1	400,000	( 400)
REPLACE OPERATING CONTROLS	LS			( 350)
SUPPORTING FACILITIES		6		65
REPAIR WALLS, CATWALKS, LADDERS, FLOOR	LS			( 45)
INTERIOR RENOVATIONS	LS	:		(20)
SUBTOTAL	1 :			2,985
CONTINGENCY (10%)				299
TOTAL CONTRACT COST				3,284
SUPERVISION, INSPECTION AND OVERHEAD (6%)	1 1			197
TOTAL REQUEST				3,481
TOTAL REQUEST (ROUNDED)				3,500
	1 1			
				i

- 10. Description of Proposed Construction: Remove two coal stokers and generators and replace with gas fired units; replace one gas-fired generator, operating controls and circulating pumps. Replace catwalks, platforms, ladders, and opacity and water flow meters. Includes some interior maintenance. Repair retaining wall outside heat plant. Demolish coal feed and ash handling system, reverse air system, and baghouse.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade central heat plant. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Provide space heating and domestic hot water for 112 base buildings (80% of total base building square footage). Dual-fuel capability (natural gas/propane) is required to provide backup in the event of interruption of primary fuel source. Each generator is required to output 55 million BTUs. Temperatures can dip to minus 36 degrees with wind chill to minus 70 degrees, requiring two generators to operate at 70% capacity with the third as backup. Conversion to natural gas is needed to eliminate sulfur oxide emissions, pollution of a nearby tributary from coal fines, and the possibility of violations of the Clean Air Act associated with disposal of fly ash. Permanent catwalks, work platforms, and ladders are required to provide safe access to equipment needing periodic maintenance and repair. Provide operating controls, valves, pumps, generators, convective tube sections, flow meters, and other items of installed equipment are essential to operation of the heating plant. CURRENT SITUATION: The central heating plant is the only source of heat for the base buildings served. The three plant generators produce high temperature water at high pressure, and the water is then distributed through insulated mains to base buildings. One generator has been

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
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UPGRADE CENTR	AL HEAT PLANT	GHLN961002

converted to natural gas, but the other two are still coal fired and have vibrating stokers. Continuous vibration from the stokers has caused serious cutting and scoring of the convective section tubes. An inspection revealed scoring has penetrated two-thirds of the way through the majority of tubes in each section. Radiant walls are buckling from off-center firing, and circulating pumps are operating at peak capacity but are still inadequate. This is the first installation where these generators and stokers were used together and they are not compatible; the stoker and most parts for it are no longer made. The two coal-fired generators are used only in emergencies to preclude further damage to the tubes. Normal life expectancy of generators should be 25-30 years; however, due to incompatibility of components these units require replacement after only 13 years. In addition, the control systems and access for maintenance are deficient. Instrument air compressor and operating controls are unreliable and unserviceable. Temporary catwalks and wooden platforms are a safety hazard, and there is no access to certain essential equipment. Permanent catwalks, platforms and ladders must be installed to permit safe maintenance and repair of high equipment. IMPACT IF NOT PROVIDED: Generators are particularly vulnerable to failure at any time. When two generators fail there will be insufficient capacity to heat base buildings to usable temperatures, and base personnel will be sent home. If all three generators fail there will be no heat for base buildings, pipes will freeze, facilities will be seriously damaged, and repairs to the heat plant and 112 facilities could run into the hundreds of millions of dollars. The primary mission would be severely impacted for weeks while critical repairs were being made. Mission support could be impacted for several months awaiting permanent repairs. Operations and maintenance costs will remain higher if this project is not provided. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the alternative which is most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

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UPGRADE CI	ENTRA	AL HEAT PLANT	GHI	N961002
12. SUPPI	LEMEN	VTAL DATA:		
. 5-1				
a. Esti	ımate	ed Design Data:		
(1)	c+ =	atus:		
(1)		Date Design Started		04 **** 06
		Parametric Cost Estimates used to develop	aaata	94 JUL 06
		Percent Complete as of Jan 1995	Costs	Y
		Date 35% Designed.		35% 94 DEC 31
		Date Design Complete		94 DEC 31 95 AUG 01
	(-)	Date Design Complete		95 AUG UI
(2)	Bas	sis:		
(-,		Standard or Definitive Design -		NO
		Where Design Was Most Recently Used -		N/A
	•	•		•••,••
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
		Production of Plans and Specifications		187
		All Other Design Costs		188
	(C)	Total		375
		Contract		251
	(e)	In-house		124
(4)	Con	struction Start		96 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT   FY 1996 MILITARY CONSTRUCTION PROGRAM (Computer generated)   2. DATE										
AIR FORCE									2. DAT	'E
3. INSTALLATION AND LOCATION   4. COMMAND   5. AREA CONST CLASSIFIED LOCATIONS (INSIDE AND OUTSIDE THE UNITED STATES)   0.00						PROGE	KAM			
CLASSIFIED LOCATIONS (INSIDE AND  CUTSIDE THE UNITED STATES)  6. PERSONNEL STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV TOTAL  a. As of 30 SEP 94 b. End FY 2000  7. INVENTORY DATA (\$000)  a. Total Acreage: ( 0) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: ( 0 C. Authorization Not Yet In Inventory: ( 0 C. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 0 C. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 0 C. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 0 C. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 0 C. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 0 C. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 0 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next Four Years: ( 10 C. Authorization Included In This Program: (FY 1997) 19,526 f. Planned In Next					-				E ADE	A CONCE
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a. As of 30 SEP 94 b. End FY 2000 7. INVENTORY DATA (\$000) a. Total Acreage: ( 0) b. Inventory Total As Of: (30 SEP 94)										TOTAT
Description		OFF ENL	CIV	OFF	ENL	CIV	OFF	ENI	-	TOTAL
7. INVENTORY DATA (\$000)  a. Total Acreage: (										
a. Total Acreage: ( 0) b. Inventory Total As Of: (30 SEP 94) 0 c. Authorization Not Yet In Inventory: 0 d. Authorization Requested In This Program: 17,800 e. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 0 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (5000) START CMPL  100-000 SPECIAL TACTICAL UNIT LS 700 DETACHMENT FACILITY 13,000 SF 1,600 APR 94 JUN 95 WAREHOUSES TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT LS 4,226 DETACHMENT FACILITY LS 4,226  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT LS 4,226  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSES TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	b. End FY 2000	7 TATUE	NTOPV	מתמת ב	(5000	<del> </del>				
b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: 0 d. Authorization Requested In This Program: 17,800 e. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 0 S. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (S000) STATUS  TOTAL: 17,800  PROJECT TITLE SCOPE (S000) STATUS  TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT LS 4,226  DESIGN STATUS  TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT LS 4,226  DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300  WAREHOUSES TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0 0	metal Neverson (		NIOKI	DAIA	(3000	<u>'                                     </u>				
C. Authorization Not Yet In Inventory:  d. Authorization Requested In This Program:  e. Authorization Included In Following Program: (FY 1997)  e. Authorization Included In Following Program: (FY 1997)  f. Planned In Next Four Program Years:  f. Planned In Next Four Program Years:  g. Remaining Deficiency:  h. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  PROJECT TITLE  SCOPE  START  CMPL  100-000 SPECIAL TACTICAL UNIT  DETACHMENT FACILITY  214-425 VEHICLE MAINTENANCE FACILITY  13,000 SF 1,600 APR 94 JUN 95  WAREHOUSES  TOTAL:  17,800  9a. Future Projects: Included in the Following Program (FY 1997)  100-000 SPECIAL TACTICAL UNIT  DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS  442-758 WAR READINESS MATERIAL  SCOPE  WAREHOUSE  WAREHOUSE  15,000 SF 2,300  WAREHOUSE  WAREHOUSES  TOTAL:  19,526  9b. Future Projects: Typical Planned Next Four Years:  1. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:  0  17,800  0  17,800  0  DESIGN STATUS  COST  DESIGN STATUS  TATUS  COST  DESIGN STATUS  TATUS  APR 94 JUN 95  TOTAL:  17,800  1,600  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  APR 94 JUN 95  TOTAL:  17,800  1,7,000  APR 94 JUN 95  TOTAL:  17,800  APR 94 JUN 95  APR 94 JUN 95  TOTAL:  17,800  APR 94 JUN 95  APR 94 JUN 95  APR 94 JUN 95  APR 94 JUN 95  APR 94 JUN	a. Total Acreage: (	•	P 941							0
d. Authorization Requested In This Program: 17,800 e. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 0 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) STATTUS    DETACHMENT FACILITY   13,000 SF 1,600 APR 94 JUN 95	b. Inventory rotal As	Of. (50 BE	torve							-
e. Authorization Included In Following Program: (FY 1997) 19,526 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 0 h. Grand Total: 0  8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY CODE PROJECT TITLE SCOPE (S000) STATUS  DETACHMENT FACILITY  214-425 VEHICLE MAINTENANCE FACILITY 13,000 SF 1,600 APR 94 JUN 95  442-758 WAR READINESS MATERIAL 300,000 SF 15,500 APR 94 JUN 95  WAREHOUSES TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997)  100-000 SPECIAL TACTICAL UNIT LS 4,226  DESIGN STATUS  TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997)  100-000 SPECIAL TACTICAL UNIT LS 4,226  DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000  442-758 WAR READINESS MATERIAL 15,000 SF 2,300  WAREHOUSE 15,000 SF 2,300  WAREHOUSE 15,000 SF 2,300  WAREHOUSES TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0 0	d Authorization Pegus	ested In This	s Pro	ram:					17.80	0
f. Planned In Next Four Program Years:  g. Remaining Deficiency: h. Grand Total:  8. PROJECTS REQUESTED IN THIS PROGRAM: COATEGORY CODE PROJECT TITLE SCOPE  PROJECT TITLE  100-000 SPECIAL TACTICAL UNIT DETACHMENT FACILITY 214-425 VEHICLE MAINTENANCE FACILITY 13,000 SF 1,600 APR 94 JUN 95 442-758 WAR READINESS MATERIAL 300,000 SF 15,500 APR 94 JUN 95 WAREHOUSES TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT DETACHMENT FACILITY 422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  A WAR READINESS MATERIAL 100,000 SF 6,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 2,000 WAREHOUSES  100-000 SF 1,600 APR 94 JUN 95 APR	a. Authorization Incli	ided In Follo	owina	Progr	am:	(FY :	19971			
Remaining Deficiency:						•	•			
N.   Grand Total:										-
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY CODE PROJECT TITLE SCOPE (\$000)  PROJECT TITLE SCOPE (\$000)  START CMPL  100-000 SPECIAL TACTICAL UNIT DETACHMENT FACILITY 214-425 VEHICLE MAINTENANCE FACILITY 13,000 SF 1,600 APR 94 JUN 95 442-758 WAR READINESS MATERIAL 300,000 SF 15,500 APR 94 JUN 95 WAREHOUSES TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT DETACHMENT FACILITY 422-264 MUNITIONS STORAGE IGLOOS 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE 100,000 SF 6,000 WAREHOUSES TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years: 11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:     0     0     0     0     0     0     0     0     0     0     0     0     0     0		· • •			•					0
CODE PROJECT TITLE SCOPE (\$000) TART CMPL  100-000 SPECIAL TACTICAL UNIT LS 700 DETACHMENT FACILITY  214-425 VEHICLE MAINTENANCE FACILITY 13,000 SF 1,600 APR 94 JUN 95 442-758 WAR READINESS MATERIAL 300,000 SF 15,500 APR 94 JUN 95 WAREHOUSES TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT LS 4,226 DETACHMENT FACILITY 422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE 15,000 SF 2,300 WAREHOUSE 100,000 SF 6,000 WAREHOUSE 100,000 SF 15,500 APR 94 JUN 95	8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY 1	996					
CODE	1						COST	. 1	DESIGN	STATUS
100-000 SPECIAL TACTICAL UNIT     DETACHMENT FACILITY 214-425 VEHICLE MAINTENANCE FACILITY 13,000 SF 1,600 APR 94 JUN 95 442-758 WAR READINESS MATERIAL 300,000 SF 15,500 APR 94 JUN 95     WAREHOUSES TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT LS 4,226     DETACHMENT FACILITY 422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300     WAREHOUSE 442-758 WAR READINESS MATERIAL 100,000 SF 6,000     WAREHOUSES TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years: 11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0		ECT TITLE		5	COPE		(\$000	<u>)</u>	START	CMPL
DETACHMENT FACILITY  214-425 VEHICLE MAINTENANCE FACILITY 13,000 SF 1,600 APR 94 JUN 95 442-758 WAR READINESS MATERIAL 300,000 SF 15,500 APR 94 JUN 95  WAREHOUSES  TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT LS 4,226  DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300  WAREHOUSE  442-758 WAR READINESS MATERIAL 100,000 SF 6,000  WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0				_			<del></del>			
214-425   VEHICLE MAINTENANCE FACILITY   13,000 SF   1,600   APR 94   JUN 95	100-000 SPECIAL TACT	ICAL UNIT				LS	70	00		
### WAR READINESS MATERIAL   300,000 SF   15,500 APR 94 JUN 95 WAREHOUSES   TOTAL:   17,800    9a. Future Projects: Included in the Following Program (FY 1997)    100-000 SPECIAL TACTICAL UNIT										
WAREHOUSES  TOTAL: 17,800  9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSES WAREHOUSES TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years: 11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	214-425 VEHICLE MAIN	TENANCE FACI	LITY							
9a. Future Projects: Included in the Following Program (FY 1997) 100-000 SPECIAL TACTICAL UNIT  DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 442-758 WAR READINESS MATERIAL WAREHOUSE  442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	442-758 WAR READINES	S MATERIAL		30	000,000	SF	15,50	00 2	APR 94	JUN 95
9a. Future Projects: Included in the Following Program (FY 1997)  100-000 SPECIAL TACTICAL UNIT  DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000  442-758 WAR READINESS MATERIAL 15,000 SF 2,300  WAREHOUSE  442-758 WAR READINESS MATERIAL 100,000 SF 6,000  WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	WAREHOUSES									
100-000 SPECIAL TACTICAL UNIT DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 100,000 SF 6,000 WAREHOUSES TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:										
DETACHMENT FACILITY  422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 100,000 SF 6,000 WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:			n the	Follo	owing :				997)	
422-264 MUNITIONS STORAGE IGLOOS 54,500 SF 7,000 442-758 WAR READINESS MATERIAL 15,000 SF 2,300 WAREHOUSE  442-758 WAR READINESS MATERIAL 100,000 SF 6,000 WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	1					LS	4,22	26		
442-758 WAR READINESS MATERIAL  442-758 WAR READINESS MATERIAL  442-758 WAR READINESS MATERIAL  50,000 SF 2,300  WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:				_			- 00			
WAREHOUSE  442-758 WAR READINESS MATERIAL 100,000 SF 6,000 WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:										
442-758 WAR READINESS MATERIAL  100,000 SF 6,000  WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:		S MATERIAL		•	15,000	SF	2,30	00		
WAREHOUSES  TOTAL: 19,526  9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:	,,,-					C.D.	6 00			
9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:	1 • • • • • • • • • • • • • • • • • • •	S MATERIAL		10	000,000	Sr	6,00	,0		
9b. Future Projects: Typical Planned Next Four Years:  11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution:  b. Water pollution:  c. Occupational safety and health:	WAREHOUSES				T K TION		10 51	26		
11. Outstanding pollution and safety (OSH) deficiencies:  a. Air pollution: b. Water pollution: c. Occupational safety and health:		munical Di		Nort				20		
a. Air pollution:  b. Water pollution:  c. Occupational safety and health:										
b. Water pollution:  c. Occupational safety and health:  0	II. Outstanding poll	ucton and sa	recy	(OSA)	GELIC	<u>_</u>				
b. Water pollution:  c. Occupational safety and health:  0	n him mallution	n •							(	0
c. Occupational safety and health:										
c. Occupational safety and neutron	_		heal+	h•						
d. Other Birvironmentar.	<u> </u>		"ICGIL	•••						
	d. Other Enviro	imencar.								-
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1	1. COMPONENT			2. DATE
		Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
I	AIR FORCE		er generated)	
٠	3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE
ļ	CLASSIFIED LOCATIO	N		NTENANCE FACILITY
ı	5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
I				
ı	2 80 31	214-425	HACC953023	1,600

9. COST ESTIMATI	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
VEHICLE MAINTENANCE FACILITY	SF	13,000	95	1,235
SUPPORTING FACILITIES				190
UTILITIES	LS			( 90
PAVEMENTS	LS			( 50
SITE IMPROVEMENTS	LS			(50
SUBTOTAL	1			1,425
CONTINGENCY (5%)		'		71
TOTAL CONTRACT COST				1,496
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				97
COTAL REQUEST				1,593
COTAL REQUEST (ROUNDED)				1,600
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	-			
	1	1		
		1		

10. Description of Proposed Construction: Constructs a pre-engineered metal and masonry building on a concrete foundation with environmental control systems, restrooms, administrative and shop spaces, required utilities, and supporting facilities, including pavements and site improvements.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 13,000 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a vehicle maintenance facility. (New Mission) REQUIREMENT: A war readiness materiel (WRM) vehicle maintenance shop and management facility are required to support OPPLAN 1002-95 for prepositioning and long-term storage of WRM vehicle assets. These assets must be ready for use by US Central Command (CENTCOM) forces. This facility will support the management and reconstitution of 1,600 vehicles. CURRENT SITUATION: Facilities in the host country are unavailable for adequate WRM storage and maintenance requirements. WRM assets moved into the region during Desert Shield/Storm are exposed to extremely high temperatures, sand, and wind which are causing accelerated deterioration of the vehicles' tires, gaskets, hoses, seats, and paint finish. vehicles are deteriorating at an estimated rate of 15% per year and must either be reconstituted and stored in country or returned to the CONUS. CONUS storage and roundtrip transportation will exceed storage cost in host country. Four hundred sixty C-141 sorties are required to move these materials one-way from CONUS. This airlift alternative does not meet the readiness requirements or provide operational flexibility for OPPLAN 1002-95 execution.

IMPACT IF NOT PROVIDED: The 1,600-vehicle fleet, valued at \$42 million,
will continue to deteriorate at a cost of \$6 million per year and no

•	1. COMPONENT							2. D	ATE
		FY	1996 M	ILITARY	CONSTRUCTION	PROJECT	DATA		
	AIR FORCE			(compu	ter generated	d)			
	3. INSTALLATION	AND	LOCATI	ON					
	CLASSIFIED LOCA	TION							
	4. PROJECT TITL	E					5.	PROJECT	NUMBER
	VEHICLE MAINTEN	ANCE	FACILI	TY				HACC953	023

facility will be available to maintain combat capability and requirements of OPLAN 1002-95.

VEHICLE MAINTENANCE FACILITY

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facililty Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." This project does not qualify for Host Nation construction funding.

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LASSIFIED PROJECT	LOC	ON AND LOCATION CATION	5. PR	
LASSIFIED . PROJECT	LOC	CATION	5. PR	
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		CLE	15. PR	
EHICLE MA	INTE			OJECT NUMBER
		NANCE FACILITY	НА	CC953023
2. SUPPL	EMEN	TAL DATA:		
a. Esti	mate	ed Design Data:		
(1)	Sta	itus:		
	(a)	Date Design Started		94 APR 20
	(b)	Parametric Cost Estimates used to develop	costs	Y
1	(C)	Percent Complete as of Jan 1995 '		35%
	(d)	Date 35% Designed.		94 JUN 25
	(e)	Date Design Complete		95 JUN 01
(2)	Bas	is:		
•	(a)	Standard or Definitive Design -		NO
•	(b)	Where Design Was Most Recently Used -		N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	(a)	Production of Plans and Specifications		96
(	(b)	All Other Design Costs		56
(	(c)	Total		152
(	(d)	Contract		
(	(e)	In-house		152
(4)	Con	struction Start		95 DEC
Equipme	nt a	associated with this project will be provide	ed from	l
her appro				

1. COMPONENT										2.	DATE
	FY	1996 MILIT	ARY CO	ONS!	rruci	CION PROJ	ECT	DA:	ra		
AIR FORCE		(0	ompute	er (	gener	ated)					
3. INSTALLATI	ON AND	LOCATION				4. PROJE	CT I	TI	Æ		
						WAR READ	INES	SS 1	MATERIA:	L	
CLASSIFIED LO	CATION					WAREHOUS	ES				
5. PROGRAM EL	EMENT 6	. CATEGORY	CODE	7.	PROJ	ECT NUMB	ER	8.	PROJEC'	rc	COST(\$000)

442-758

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	א/ט	QUANTITY	COST	(\$000)
WAR READINESS MATERIAL WAREHOUSES	SF	300,000	40	12,000
SUPPORTING FACILITIES	1			1,825
UTILITIES	LS			( 940)
PAVEMENTS	LS			( 730)
SITE IMPROVEMENTS	LS			(155)
SUBTOTAL				13,825
CONTINGENCY (5%)	1	•		691
TOTAL CONTRACT COST				14,516
SUPERVISION, INSPECTION AND OVERHEAD (6%)				871
TOTAL REQUEST	-			15,387
TOTAL REQUEST (ROUNDED)	İ			15,500
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- 10. Description of Proposed Construction: Construct three pre-engineered metal and masonry buildings of approximately 100,000 SF each. Buildings will be constructed at two separate locations. Buildings will include ventilation, lighting, site improvements, utilities and necessary support.
- 11. REQUIREMENT: 300,000 SF ADEQUATE: 0 SUBSTANDARD: 0
  PROJECT: Construct war readiness material (WRM) storage warehouses. (New

PROJECT: Construct war readiness material (WRM) storage warehouses. (New Mission)

REQUIREMENT: Storage facilities are required to support OPLAN 1002-95 for prepositioning and long term storage of WRM vehicle assets. These assets are a 1,600 vehicle fleet valued at \$42 million and must be ready for use by US Central Command (USCENTCOM) for contingency operations.

CURRENT SITUATION: Facilities in the host country are unavailable for adequate WRM storage and maintenance requirements. WRM assets moved into the region during operations Desert Shield/Storm are exposed to extremely high temperatures, sand, and wind. These weather conditions are causing accelerated deterioration of vehicle tires, gaskets, hoses, seats, paint finishes, etc. These vehicles are deteriorating at 15 percent per year and must be reconstituted and stored in country or returned to CONUS. CONUS storage and roundtrip transportation will exceed storage cost in host country. Four hundred and sixty C-141 sorties are required to move these materials one-way from CONUS. This airlift alternative does not meet the readiness or provide operational flexibility of OPLAN 1002-95 execution.

IMPACT IF NOT PROVIDED: The 1,600 vehicle fleet, which is valued at \$42 million will continue to deteriorate at a cost of \$6 million per year and no facilities will be available to maintain the combat capability and requirements of OPLAN 1002-95.

2.80.31

15,500

1. COMPONENT	y 1996 MILITARY CONSTRUCTION PROJECT	DATA	2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AN			
4. PROJECT TITLE		5. PRO	DJECT NUMBER
WAR READINESS MATE	RIAL WAREHOUSES	АН	CC953022

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". This project does not qualify for Host Nation construction funding. A preliminary analysis of reasonable options for accomplishing this project (status quo, new construction) was done. It indicates that new construction is the only option that will meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

. COMPONEN	T	2	. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A	
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. INSTALLA	TION AND LOCATION		
LASSIFIED	LOCATION		
. PROJECT	TITLE	5. PROJ	JECT NUMBE
AR READINE	SS MATERIAL WAREHOUSES	HACC	953022
2. SUPPLE	MENTAL DATA:		
Z. SUPPLE	MENTAL DATA:		
a. Estim	ated Design Data:		
\ - /	Status:		
	a) Date Design Started		94 APR 2
	b) Parametric Cost Estimates used to develop c	osts	
	c) Percent Complete as of Jan 1995		35
(	d) Date 35% Designed.		94 JUN 2
(	e) Date Design Complete		95 JUN 0
(2)	Basis:		
(	a) Standard or Definitive Design -		NO
(	b) Where Design Was Most Recently Used -		N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$00
(	a) Production of Plans and Specifications		80
(	b) All Other Design Costs		20
(	c) Total		100
(	d) Contract		
(	e) In-house		100
(4)	Construction Start		95 DE
	<pre>nt associated with this project will be provide priations: N/A</pre>	d from	

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1. COMPONENT	1006 WTT	.m.s.D.Vco.v		TON .	ואספו	27.11	2	. DAT	LE	
	FY 1996 MILI				PROGI	MAX				
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3. INSTALLATION A	AND LOCATION			DMMAND ED STA'		NTD.	٦		ST IN	
	220								. 63	A a
SPANGDAHLEM AIR B		2173216	<del></del>	S IN			ORTE		. 63	$\dashv$
6. PERSONNEL	PERMA		OFF	UDENT:	CIV		ENL		TOTA	۸.
STRENGTH	OFF ENL		OFF	ENL	CIV	14		177		207
a. As of 30 SEP 9						14		177		160
b. End FY 2000	327 388	6 694 VENTORY	DAMA	15000		14	02	11//		100
		VENTORI	DAIR	(\$000	<u> </u>	<u>~</u>				
a. Total Acreage:		CED OAL					1	25,97	75	
b. Inventory Tota	AI AS UI: (30	SEP 94)					_	9,47		
c. Authorization	Not yet in inv	encory:	~~~~					8,38		
d. Authorization e. Authorization	Requested in I	nis Proc	gram:		/EV 1	10071		3,40		
f. Planned In Nex			Frogr	. a.u	(11)			3,40 12,85		ł
		rears:						8,51		
<pre>g. Remaining Defi h. Grand Total:</pre>	retency:						1	68,58		
8. PROJECTS REQUE	STED IN THIS P	ROGRAM.	FY 1	996				00,50		
CATEGORY	STED IN INIO I	Modium.				COST	DE	STGN	STATU	ıs
CATEGORI	PROJECT TITLE		5	COPE		(\$000)	_	TART	CMI	_
CODE	FROUECT TITLE		=			14000/	. =		<u> </u>	-
211-183 SOUND SU	IPPRESSOR SUPPO	RT FAC		6,200	SF	600	. चन	B 94	NOV	94
211-183 SOUND SU				3,100				B 94		
212-213 ADD TO N			-	3,300		930		В 94		- 1
SHOP				5,500		,,,,				١. ١
721-312 DORMITOR	RΥ			90	PN	5,900	FE	В 94	MAY	95
, , , , , , , , , , , , , , , , , , , ,	\•			TOTAL	_	8,380	•			- 1
9a. Future Proje	ects: Included	in the	Folic					7)		
842-245 ADD TO A				8,800				•		
	TRIBUTION SYST									
				TOTAL:	: -	3,400	- )			
9b. Future Proje	cts: Typical	Planned	Next	Four Y	ears	:				
141-783 MOBILITY				1,000			)			1
211-152 AIRCRAFT	SHOP	2	4	3,000	SF	4,900	)			
721-312 ADD TO A	AND ALTER DORMI	TORY	2	1,000	SF	2,350	)			
721-312 ADD TO A	ND ALTER DORMI	TORY	2	1,000	SF	2,350	)			
10. Mission or M	Major Functions	: A fig	ghter	wing w	with	two F-	16 s	quadr	ons,	
an F-15 squadron,										
11. Outstanding	pollution and	safety (	(OSH)	defic	ienci	.es:				
										İ
a. Air poll	ution:							C	)	
b. Water po	llution:							C	)	
<del>-</del>	onal safety an	d health	ı:					C	)	
	vironmental:							C	)	
										- 1

1.	COMPONENT		2.	DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
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3. INSTALLATION AND LOCATION

4. PROJECT TITLE

SPANGDAHLEM AIR BASE, GERMANY

DORMITORY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.75.96U

721-312 VYHK930111A 5,900

9. COST ESTIMATE	s			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (90 PN) DORMITORY AUTOMATIC SPRINKLER PROTECTION SUPPORTING FACILITIES UTILITIES SITE IMPROVEMENTS PAVEMENTS DEMOLITION SUBTOTAL CONTINGENCY (5%)	SF SF LS LS SF	32,000 32,000 42,000	150 2	4,864 (4,800 ( 64 450 ( 90 ( 35 ( 115 ( 210 5,314
TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6.5%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)				5,580 363 5,943 5,900

10. Description of Proposed Construction: Three-story facility with concrete foundations and floor slabs, masonry walls and roof. Includes room-bath-room modules, lounges, laundry rooms, storage rooms, and all supporting facilities. Demolish existing dormitories. Grade Mix: 90 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 90 personnel: 90 E1-E4, with a maximum utilization of 90 personnel. CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths and adequate noise attenuation to adequately house enlisted personnel. With the increase in manpower from the new wing, the shortfall will be even greater. Local rentals and utilities are so expensive enlisted personnel cannot afford to live off base. Demolish two existing substandard dormitories (42,000 sf).

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project is not eligible for NATO funding.

1. COMPONENT		2. DATE
1	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
	ON AND LOCATION AIR BASE, GERMANY	
4. PROJECT T		PROJECT NUMBER
DODMITTORY		VYHK930111A

precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new barracks standard established by OSD. An economic analysis was prepared comparing the alternatives of new construction, alteration, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not reflected in OSD approved unit cost factor for dormitories.

1. COMPONE	YT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
INSTALL	ATION AND LOCATION	
PANGDAHLE	A AIR BASE, GERMANY	
. PROJECT	TITLE 5.	PROJECT NUMBER
ORMITORY		VYHK930111A
2. SUPPLI	EMENTAL DATA:	
a. Estir	nated Design Data:	
(1)	Status:	
	(a) Date Design Started	94 FEB 01
	(b) Parametric Cost Estimates used to develop cos	ts N
	(c) - Percent Complete as of Jan 1995	65%
	(d) Date 35% Designed.	94 JUN 15
	(e) Date Design Complete	95 MAY 15
(2)	Basis:	
	(a) Standard or Definitive Design -	
	(b) Where Design Was Most Recently Used -	
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	141
	(b) All Other Design Costs	130
	(c) Total	271
	(d) Contract	141
	(e) In-house	130
(4)	Construction Start	96 <b>FE</b> E
. Equipme	ent associated with this project will be provided	from
	opriations: N/A	

1. COMPONENT									2.	. DAT	E
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3. INSTALLATION	ON AND L	OCATION	Ī		1	DINAMM			5.		A CONST
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OGELWEH ANNE	, GERMA					S IN 1					63
5. PERSONNEL			RMANE			UDENTS			PORTE		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF		CIV	TOTAL
a. As of 30 Si	P 94	1	49	48				22	238	i I	42:
o. End FY 2000	)	1	66	52			<u></u>	22	238	63	442
				ENTORY	DATA	(\$000)	)				
a. Total Acre	age: (		32)								
o. Inventory	otal As	of: (	30 SE	EP 94)					4	12,97	
c. Authorizat	on Not	Yet In	Inver	ntory:						2 60	0
d. Authorizat	on Requ	ested I	n Thi	ls Prog	gram:			0001		2,60	
a. Authorizat					Progr	am:	(FY J	1997)			0
f. Planned In			ram Y	ears:		£					0
g. Remaining D		cy:							,	15,57	•
n. Grand Tota	<u>.:</u>					006				10,01	4
B. PROJECTS R	QUESTED	IN THI	S PRO	GRAM:	FY 1	.990		cosi	י חדי	TCN	STATUS
CATEGORY					,	COPE		(\$000		PART	CMPL
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740-884 CHIL	I DEVELO	PMENI C	ENIEL	`		TOTAL:	_	2,60			
ea. Future P	-ciocts:	Incli	ded i	n the	Follo					7) NC	NE
9a. Future Pr 9b. Future Pr	ciects	Typic	al Pi	anned	Next	Four '	rears	:			
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nousing and co	ommunity he Rams	suppor tein Ai	r Bas	cilitions se area	es in a.	tne Ka	11001				
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1. COMPONENT			2. DATE
	FY 1996 MILITA	RY CONSTRUCTION PROJECT	T DATA
AIR FORCE	(co	mputer generated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT	TITLE
VOGELWEH ANNE	X, GERMANY	CHILD DEVE	LOPMENT CENTER
5. PROGRAM EL	EMENT 6. CATEGORY	CODE 7. PROJECT NUMBER	8. PROJECT COST(\$000)

	2.75.960	740-884	TYFR95.	3523			2,600	
_		9. cos1	ESTIMATE:	S				
						UNIT	COST	Γ
_		ITEM		U/M	QUANTITY	COST	(\$000)	l
	CHILD DEVELOPMENT O	CENTER		SF	9,600	175	1,680	ſ
	SUPPORTING FACILITI	ES					620	
	UTILITIES			LS			( 355)	
	PAVEMENTS			SY	8,800	20	( 175)	
	SITE IMPROVEMENTS	5		LS			( 90)	
	SUBTOTAL			•			2,300	l
	CONTINGENCY (5%)				s	}	115	
	TOTAL CONTRACT COST	?					2,415	
	SUPERVISION, INSPEC	CTION AND OVERHEAD	(6.5%)				157	
	TOTAL REQUEST					Ĭ	2,572	
	TOTAL REQUEST (ROUN	IDED)					2,600	i
							1	
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- 10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, masonry walls, roof system, fire protection, all utilities, and necessary support. Functional areas include reception area, multi-purpose child care rooms, restrooms, storage area, isolation room, office space, laundry room, mechanical room, kitchen, and playground areas.
- REQUIREMENT: 118,115 SF ADEQUATE: 13,455 SF SUBSTANDARD: PROJECT: Construct a child development center (CDC). (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Adequate facilities are essential for providing supervised care and a developmental experience for dependent children aged six weeks to twelve years. This facility will provide for children up to age five--the most critical shortfall at Vogelweh. The facilities must provide a comfortable, clean, educational environment where military service members and DoD civilians can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable child care available.

CURRENT SITUATION: The existing Child Development Center is adequate to accommodate a maximum of 258 children, and daily attendance at the center averages 250, or 97%. At the present time, 350 children are on the waiting list. This project will result in a facility which will serve a total of 120 children. The Kaiserslautern Military Community (KMC), which includes Ramstein Air Base and the Vogelweh Annex, receives child development services at both locations. The total requirement is based on

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION VOGELWEH ANNEX,		
		PROJECT NUMBER
4. PROJECT TITL		
CUTTO DEVELOPME	NT CENTER	TYFR953523

the needs of the entire KMC area. Since the areas are separated geographically and have respective housing areas, CDC services are provided at both locations. Critical deficiencies are being corrected by this project and a companion FY94 MILCON project at Ramstein Air Base. An October 1991 inspection found that two of the three existing child development center facilities at Vogelweh did not meet safety and security standards for child care. The two facilities were built in 1953 and 1957. Both facilities will meet all current standards and requirements after base O&M renovation projects are completed. However, this will not satisfy the requirement for the Vogelweh/Ramstein community. The people on the waiting list currently rely on the local communities for their child care, which may be unlicensed and are generally more expensive. Financial hardship and scheduling difficulties are common, since local care providers' hours may not be consistent with shift or long working hours. The cost of CDC care ranges from \$44 to \$86 per week. IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of active duty military and DoD civilians, readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place children in unlicensed care in the local communities, or spouses will not be able to work. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project.

COMPON	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
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		, GERMANY	<u></u>
PROJEC	r TIT	LE	5. PROJECT NUMBER
TID DEV	FT.OPM	ENT CENTER	TYFR953523
TDD DDV	200111	DAT CHAIDA	11111/300320
. SUPP	LEMEN	TAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	tus:	
` '		Date Design Started	93 MAY 13
		Parametric Cost Estimates used to develop c	osts Y
		Percent Complete as of Jan 1995	65%
		Date 35% Designed.	94 OCT 15
	(e)	Date Design Complete	95 AUG 01
(2)	Bas		
	-	Standard or Definitive Design -	YES
	(d)	Where Design Was Most Recently Used -	RAMSTEIN
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)		156
		All Other Design Costs	
	(c)	Total Contract	156
		In-house	100 56
	(0)		30
(4)	Con	struction Start	95 DEC
		associated with this project will be provide	ed from
her app	copri	ations: N/A	
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1. COMPONENT		2. DATE
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3. INSTALLATION AND LOCATION	4. COMMAND	
TARNES PARTS PRINT STREET, SPECIA	UNITED STATES AIR	COST INDEX
ARAXOS RADIO RELAY STATION, GREECE	FORCES IN EUROPE	0.71
6. PERSONNEL PERMANENT	<del>}</del>	PPORTED
STRENGTH OFF ENL CIV	OFF ENL CIV OFF	<del></del>
a. As of 30 SEP 94 8 116 3		12 139
b. End FY 2000   8   115   3		12 138
7. INVENTORY	DATA (\$000)	
a. Total Acreage: ( 1)		2.0
b. Inventory Total As Of: (30 SEP 94)		848
c. Authorization Not Yet In Inventory:		0
d. Authorization Requested In This Pro		1,950
e. Authorization Included In Following	Program: (FY 1997)	0
f. Planned In Next Four Program Years:		0
g. Remaining Deficiency:		0
h. Grand Total:	TV 1006	2,798
8. PROJECTS REQUESTED IN THIS PROGRAM:		m Dratay amama
CATEGORY	COS	
CODE PROJECT TITLE	SCOPE (\$00	0) START CMPL
	40 50 1 0	50 WNV 04 CDD 05
721-312 DORMITORY		50 MAY 94 SEP 95
	TOTAL: 1,9	
9a. Future Projects: Included in the		FY 1997) NONE
9b. Future Projects: Typical Planned		
10. Mission or Major Functions: A rac		
11. Outstanding pollution and safety	(OSH) deficiencies:	
a him mollution.		0
<ul><li>a. Air pollution:</li><li>b. Water pollution:</li></ul>		0
c. Occupational safety and health		ŏ
d. Other Environmental:	••	o l
d. Other bhvironmentar.		ŭ
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1. COMPONENT							2. DATE
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AIR FORCE		(00	omputer	genei	ated)		
3. INSTALLATI	ON AND	LOCATION			4. PROJECT	TITLE	
ARAXOS RADIO	RELAY	SITE, GREECE	<u> </u>		DORMITORY		
5. PROGRAM EI	LEMENT	6. CATEGORY	CODE 7.	PRO	JECT NUMBER	8. PROJEC	T COST(\$000)
2.75.96U		721-312		AMGO	963002		1,950
	-	9	ርርርጥ ክ	STTM	ידרכ		

9. COST ESTIMATE	5			
ITEM	II /M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (40 PN)	SF	14,200	70	994
SUPPORTING FACILITIES	1			750
UTILITIES	LS			( 275)
PAVEMENTS	SY	10,000	30	( 300)
SITE IMPROVEMENTS	LS			( 175)
SUBTOTAL		]		1,744
CONTINGENCY (5%)				87
TOTAL CONTRACT COST	1			1,831
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				119
TOTAL REQUEST				1,950
TOTAL REQUEST (ROUNDED)	1			1,950
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10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and pitched tile roof. Includes room-bath-room modules, laundries, storage and lounge areas and all utilities, HVAC, landscaping and fire protection.

Air Conditioning: 85 Tons. Grade Mix: 40 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 40 personnel: 40 E1-E4, with an intended utilization of 40 personnel.

CURRENT SITUATION: All personnel assigned to Araxos serve 12 month unaccompanied tours and are not authorized to ship automobiles. The existing dormitories are substandard and accommodate less than half of the base personnel. All of the existing dormitories are failing structurally, and the plumbing systems are no longer maintainable. Enlisted personnel, who do not reside on base, live several miles from the base in inadequate quarters. These personnel are totally dependent on a base bus service for transportation, and very few are able to have telephones in their apartments. This is an unacceptable situation for an installation with 24 hour operations and a short-notice recall mission requirement. Response times are unacceptably long because the bus must visit each member, first, to notify him of the recall and, second, to pick him up and take him to

	1. COMPONENT		2. DA	ATE	
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	AIR FORCE (computer generated)				
	3. INSTALLATION AND LOCATION				
	ARAXOS RADIO RELAY SITE, GREECE				
	4. PROJECT TITLE	5.	PROJECT	NUMBER	
ĺ					
	DORMITORY		AMGG9630	002	

the base. An additional concern is the terrorist threat to those individuals residing off base.

IMPACT IF NOT PROVIDED: Response times during contingencies will be unacceptably long, resulting in critical mission impairment. Personnel will continue to reside in unacceptable quarters resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Most personnel will continue to be isolated in unsatisfactory quarters off-base.

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. A preliminary analysis of reasonable options for accomplishing this project (status quo, leasing, new construction) was done. It indicates new construction is the only option that will meet the requirements. Because of this, a full economic analysis was not performed. Fire Protection Systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection Facilities, published 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.

(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995  (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house	. COMPONE	NT FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
RAXOS RADIO RELAY SITE, GREECE  PROJECT TITLE  S. PROJECT NUMB  AMGG963002  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  94 MAY  (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  95 SEP  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (50 (a) Production of Plans and Specifications 1 (b) All Other Design Costs 1 (c) Total 2 (d) Contract (e) In-house  (4) Construction Start  95 D			
PROJECT TITLE  ORMITORY  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:     (a) Date Design Started 94 MAY     (b) Parametric Cost Estimates used to develop costs     (c) Percent Complete as of Jan 1995 3     (d) Date 35% Designed. 94 OCT     (e) Date Design Complete 95 SEP  (2) Basis:     (a) Standard or Definitive Design -     (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0     (a) Production of Plans and Specifications 1     (b) All Other Design Costs 1     (c) Total (d) Contract 2     (e) In-house  (4) Construction Start 95 D	. INSTALL	ATION AND LOCATION	
PROJECT TITLE  S. PROJECT NUMB  AMGG963002  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:     (a) Date Design Started 94 MAY     (b) Parametric Cost Estimates used to develop costs     (c) Percent Complete as of Jan 1995 3     (d) Date 35% Designed. 94 OCT     (e) Date Design Complete 95 SEP  (2) Basis:     (a) Standard or Definitive Design -     (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0     (a) Production of Plans and Specifications 1     (b) All Other Design Costs 1     (c) Total (d) Contract 2     (e) In-house  (4) Construction Start 95 D  Equipment associated with this project will be provided from	DAVOC BAD	TO DELVE CIME COPECE	
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(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0 (a) Production of Plans and Specifications 1 (b) All Other Design Costs 1 (c) Total 2 (d) Contract 2 (e) In-house  (4) Construction Start 95 D	(2)	Racic	
(b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0 (a) Production of Plans and Specifications 1 (b) All Other Design Costs 1 (c) Total 2 (d) Contract 2 (e) In-house  (4) Construction Start 95 D	(2)		
(a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  55 D  Equipment associated with this project will be provided from			
(a) Production of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Start  Equipment associated with this project will be provided from	(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
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(d) Contract (e) In-house  (4) Construction Start  95 D  Equipment associated with this project will be provided from			100
(4) Construction Start 95 D  Equipment associated with this project will be provided from		· ·	217
(4) Construction Start 95 D  . Equipment associated with this project will be provided from			217
. Equipment associated with this project will be provided from		(e) In-house	
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their appropriations. W/W			from
	ther appr	opilacions. N/A	

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				UNITE	D STA	TES A	AIR	ĺ	CO	ST IN	DE
AVIANO AIR BASE,	TTALY			FORCE	SIN	EUROI	PE		1	.22	
6. PERSONNEL		ERMANE	ENT	S	UDENT	s	SUP	PORT	'ED		
STRENGTH			CIV	OFF	ENL	CIV	OFF	ENL	CIV	тот	AL
a. As of 30 SEP 9	+	2804					33		4 2	1	88
b. End FY 2000		2837	581				33	15	4 2	3,	90
D. Bud II 2000			ENTORY		(\$000	,	<u></u>			<u> </u>	
a. Total Acreage:						<i></i>					
b. Inventory Total			EP 94)						53,1	03	
c. Authorization									2,1		
d. Authorization				gram:					2,3	50	
e. Authorization					am:	(FY I	1997)		-	0	
f. Planned In Next					4	-	•		1,6	00 .	
g. Remaining Defic									29,7	50	
h. Grand Total:									88,9	53	
8. PROJECTS REQUE	STED IN TH	IS PRO	GRAM:	FY 1	996						
CATEGORY							COST	D	ESIGN	STAT	JS
	PROJECT TI	rle		S	COPE		(\$000	, –	START	CM	PL.
<del></del>				_							_
141-489 SQUADRON	OPERATIONS	S FACI	LITY		6,000	SF	95	0 J	UN 94	MAY	95
217-742 COMMUNICA	ATIONS MAIN	NTENAN	ICE		8,800	SF	1,40	0 J	UN 94	MAY	95
FACILITY	Y					_		_			
					TOTAL:	<u> </u>	2,35	0			
9a. Future Projec								Y 19	97) No	ONE	
9b. Future Projec				Next	Four Y	lears	3:				
842-245 UPGRADE V	WATER STORA	AGE AN	ID			LS	1,60	0			
	JTION SYSTE										
10. Mission or Ma										a	
flying wing with t					s the	mult	ciserv	ice/			
multinational OPE											
11. Outstanding p	pollution a	and sa	fety	(OSH)	defici	ienci	les:				
									2 00	n	
a. Air pollu									2,900 3,800		
b. Water pol	nution: onal safety		ho-1+1						1,50		
	vironmental		Heart	••					1,70		
d. Other En	/IIOHHeHCA1	L ÷							1,,0	-	
		•									

1. COMPONENT							2. DATE			
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA									
AIR FORCE		(	comput	er gene:	rated)					
3. INSTALLAT										
					COMMUNICATION	ONS MAINT	ENANCE			
AVIANO AIR BA	ASE, IT	ALY			FACILITY					
5. PROGRAM EI	LEMENT	6. CATEGOR	Y CODE	7. PRO	JECT NUMBER	8. PROJE	CT COST(\$000)			
2 75 9611		217-74	2	ACHI	79538053	1	1.400			

9. COST ESTIMATE	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
COMMUNICATIONS MAINTENANCE FACILITY	SF	8,800	102	897
PREWIRED WORK STATIONS	LS			( 897)
SUPPORTING FACILITIES				350
UTILITIES	LS			( 150)
COMMUNICATIONS SUPPORT	LS			( 55)
PAVEMENTS	LS			( 50)
FIRE PROTECTION SYSTEMS	LS	'		( 30)
SITE IMPROVEMENTS	LS			( 45)
TEMPEST SHIELD	LS			(20)
SUBTOTAL	1			1,247
CONTINGENCY (5%)				62
TOTAL CONTRACT COST				1,309
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)	-			85
TOTAL REQUEST				1,394
TOTAL REQUEST (ROUNDED)				1,400
				1

10. Description of Proposed Construction: Provide load bearing walls and steel framing; roof; reinforced spread footings, designed to seismic zone 2; brick exterior facing; roll-up doors; slab on grade. Special electrical power requirements, special secure maintenance room; and all utilities, latrines and administration offices.

Air Conditioning: 50 Tons.

11. REQUIREMENT: 8,800 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a communications maintenance facility. (New Mission)

REQUIREMENT: This facility is required to accommodate the move of the 603

Air Control Squadron (ACS) from Sembach AB, Germany, to Aviano AB. The

squadron maintains 1500-2000 pieces of communications/electronic equipment

per month. Shop space is required for the centralized field repair of ACS

CE equipment, including a controlled and secure environment to inspect,

maintain and repair C/E equipment. Space is also required for the

following activities: computer maintenance, secure communications and

radar maintenance, technical and material control, tool and equipment

storage, maintenance management administration, restrooms, and a

mechanical/electrical equipment room.

CURRENT SITUATION: The 603 ACS move to Aviano Air Base from Sembach Air Base, Germany, was completed in July 1994. The ACS requires a TEMPEST secure facility for maintenance of its extensive stock of communications and radar equipment, and it requires administrative and vehicle maintenance space. Relocatable facilities and existing on-base facilities are available to support most of these functions. However, they cannot be used for the maintenance of the communications and radar equipment because they do not meet the security requirements. As a temporary solution, the unit will have to continue to use wartime mobile maintenance vehicles for

1. COMPONENT		2. DF	ATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA		
AIR FORCE (computer generated)			
3. INSTALLATION AND LOCATION			
AVIANO AIR BASE, ITALY			
4. PROJECT TITLE	5. PRO	JECT	NUMBER
COMMUNICATIONS MAINTENANCE FACILITY	ASH	IE9538	805A

the maintenance and tests. Also, the relocatable facility will not have any infrastructure support -- running water, bathrooms, or foundations. IMPACT IF NOT PROVIDED: The ACS will have to continue to operate out of their wartime mobile maintenance units and in inadequate temporary buildings. When the ACS unit is given a mobility tasker supporting contingencies such as Operation Deny Flight, they will not be able to perform their base mission. Additionally, the wear and tear of 24 hours per day and 7 days per week operations on their wartime assets is limiting availability of these assets to support wartime taskers. All assets needed for deployments will be either unavailable or out of commission. ADDITIONAL: All known alternative options were considered during the development of this project. No other option could meet the mission requirements. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that criteria change for these types of facilities. This project does not meet the criteria/scope specified in Part II of MILHNBK 1190, "Facility Planning and Design Guide."

1. COMPON	1	1,2,2		2. DATE
	FY 1996	·	JCTION PROJECT DAT	ra
AIR FORCE	TION AND LOCAT	(computer gen	nerated)	
3. INSTAL	ATION AND LOCAL	TION		
AVIANO AI	BASE, ITALY			
4. PROJECT				5. PROJECT NUMBER
COMMUNICAT	ONS MAINTENANC	CE FACILITY		ASHE953805A
12. SUPPI	EMENTAL DATA:			
a. Est	nated Design Da	ıta:		
(1)	Status:			
	(a) Date Desig			94 JUN 17
			used to develop of	
		omplete as of Jar	1 1995 '	30%
	(d) Date 35% D			95 FEB 10
	(e) Date Desig	lu combiece		95 MAY 01
(2)	Basis:			
\_,		or Definitive Des	sign -	NO
	•	ign Was Most Rece	_	N/A
(3)	Total Cost (c)	= (a) + (b) or	(d) + (e):	(\$000)
		n of Plans and Sp		80
	b) All Other	Design Costs		40
	c) Total			120
ı	d) Contract			120
	e) In-house			
(4)	Construction S	Start		95 NOV
	ent associated priations: N/		ct will be provide	ed from
ounce appa	principle in	••		
		•		

1. COMPONENT							2	. DAT	re	Т
	1996 MILITA	ARY COL	NSTRUC	CTION	PROGR	MAS				
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3. INSTALLATION AND LO	OCATION			DINAMM			5		EA CONS	- 1
				D STA					ST INDE	*
GHEDI RADIO RELAY SIT				UDENT			PORTE	· ·	. 22	+
6. PERSONNEL	PERMANE OFF ENL		OFF		CIV	OFF		CIV	TOTAL	
a. As of 30 SEP 94	8 114	2	OFF	END	011			1011	12	_
b. End FY 2000	8 114	2							12	
D. ENG F1 2000	7. INVE		DATA	(S000	<del>}</del>		•	<u> </u>		7
a. Total Acreage: (	1)				·					$\top$
b. Inventory Total As	•	EP 94)						99	91	
c. Authorization Not	Yet In Inver	ntory:							0	
d. Authorization Requi	ested In Thi	s Pro	gram:					1,45	0	
e. Authorization Incl	uded In Foll	lowing	Progr	am:	(FY 1	.997)			0	
f. Planned In Next For									0	
g. Remaining Deficien	cy:								0	
h. Grand Total:								2,44	1	+
8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY 1	.996		~~~			G	
CATEGORY			_			COST	_		STATUS	- 1
CODE PROJ	ECT TITLE		2	COPE		(\$000	ひ 5	TART	CMPL	İ
TOT 212 DODUTEODY				າາ	PN	1,45	ωм О.	v 94	SEP 9	5
721-312 DORMITORY				TOTAL	_	1,45		1 24		٦
9a. Future Projects:	Included i	in the	Follo					7) NC	NE	†
9b. Future Projects:	Typical Pl	lanned	Next	Four	Years	:				寸
10. Mission or Major	Functions:	A rac	dio re	lay s	ite.					$\Box$
11. Outstanding poll						.es:				
a. Air pollution								(		
b. Water pollut										
c. Occupational		healt	n:					C		
d. Other Environ	nmental:								,	
		3								
1										

1. COMPONENT										2.	DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA										
AIR FORCE (computer generated)											
3. INSTALLAT	. INSTALLATION AND LOCATION 4						JEC <b>T</b> T	ITLE	2		
GHEDI RADIO RELAY SITE, ITALY DORMITORY											
		6. CATEGORY CO	DE 7	. PRO	JEC.	וטא ז	MBER 8	8. F	PROJEC	T C	COST(\$000)
2.75.96U		721-312		HWQJ	1963	3003			1,450		
		9. C	OST	ESTIM	ATES	3					
									TINU		COST
		ITEM				ש/ט	QUANT:	QUANTITY COS			(\$000)
DORMITORY (22	PN)					SF	7,8	00	1	30	1,014
SUPPORTING FA	CILIT	ES									265
UTILITIES						LS					( 120)
PAVEMENTS		;				LS					( 65)
SITE IMPROV	/EMENTS	3				LS					( 80)
SUBTOTAL											1,279
CONTINGENCY	(5%)										64
TOTAL CONTRAC	T COST	r -									1,343

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and pitched tile roof. Includes room-bath-room modules, laundries, storage and lounge areas and all utilities, HVAC, landscaping, and fire protection.

Air Conditioning: 45 Tons. Grade Mix: 22 E1-E4.

11. REQUIREMENT: As required.

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

PROJECT: Construct a dormitory. (Current Mission)

SUPERVISION, INSPECTION AND OVERHEAD (6.5%)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 22 personnel: 22 E1-E4, with a maximum utilization of 22 personnel. CURRENT SITUATION: There is currently no enlisted housing on base. All personnel currently live off base. Airmen reside in a government leased facility which is approximately a 20 minute drive from the base. increases the response time during emergencies and creates a hardship on the unaccompanied airmen, particulary those on their first assignment. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Personnel will continue to reside off base in increasingly expensive leased quarters. The government is currently spending \$66,540 to lease the facility. However, the lease will be renegotiated this year and is expected to escalate dramatically. Response times to real world contingencies will be

87

1,430 1,450

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	A
AIR FORCE	(computer generated)	
	ON AND LOCATION RELAY SITE, ITALY	
4. PROJECT T		5. PROJECT NUMBER
DORMITORY	İ	нwQJ963003

## inadequate.

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.

	NT FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
	ATION AND LOCATION	
	O RELAY SITE, ITALY	
. PROJECT	TITLE	. PROJECT NUMBER
ORMITORY		HWQJ963003
ORMITORI		1140000000
.2. SUPPI	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	: Status:	
(1)	(a) Date Design Started	94 MAY 01
	(b) Parametric Cost Estimates used to develop co	
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	94 OCT 01
,	(e) Date Design Complete	95 <b>SEP</b> 01
(2)	Basis:	
(2)	(a) Standard or Definitive Design -	
	(b) Where Design Was Most Recently Used -	
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	87
	(b) All Other Design Costs	100
	(c) Total	187
	(d) Contract	187
	(e) In-house	
(4)	Construction Start	95 DEC
. Equipa	ent associated with this project will be provided	d from
	ent associated with this project will be provided opriations: N/A	d from
		d from
		d from
		d from
		d from
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1. COMPONENT		<del></del>				2.	DAT	E.
FY	1996 MILITARY	CONSTRUC	TION P	ROGRA	M	-		
AIR FORCE	(comput	er genera	ıted)					
3. INSTALLATION AND L	CATION	4. CO	MMAND			5.	ARE	A CON
,		UNITE	D STATE	ES AI	R	1	cos	T IND
ANKARA AIR STATION, T	URKEY	FORCE	S IN E	UROPE			1.	00
. PERSONNEL	PERMANENT	ST	UDENTS		SUP	ORTE		
STRENGTH	OFF ENL C	IV OFF	ENL C	CIV	OFF	ENL	CIV	TOTA
a. As of 30 SEP 94	8 12	4					1	
o. End FY 2000	8 10	4						
	7. INVENT	ORY DATA	(\$000)					<del></del>
a. Total Acreage: (	8)							
o. Inventory Total As						,	1,36	
c. Authorization Not								0
d. Authorization Requ	ested In This	Program:					7,00	_
e. Authorization Incl			am: (I	FY 199	97)			0
f. Planned In Next For		rs:						0
g. Remaining Deficien	ey:							0
n. Grand Total:			200				8,36	0
. PROJECTS REQUESTED	IN THIS PROGRE	AM: FY 1	996		30.CB	DEC	TON	CONDIT
CATEGORY			CODE		COST			STATU
CODE PROJ	ECT TITLE	2	COPE	7.	\$000)	. 31	ART	CMP:
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00-000 LONG PERIOD					1,000			AUG '
.00-000 SHORT PERIOD	SEISMIC ARRAY		TOTAL:		7,000	•	74	AUG
a. Future Projects:	Tankand in a						) NO	NE
					11 (12	1337	<i>)</i> 110	112
b. Future Projects: O. Mission or Major					rte t	he II	S	
Logistics Group (TUSL)							_	
communications sites.	, o, nouaquar vo.							
1. Outstanding poll	tion and safe	ty (OSH)	deficie	encie	3:			
		• •						
a. Air pollution	n:						0	
b. Water pollut.							0	
D. MACCE POTTAGE	LUII+							
<del>-</del>	safety and he	alth:					0	
<del>-</del>	safety and hea	alth:					0	
c. Occupational	safety and hea	alth:					_	
c. Occupational	safety and hea	alth:					_	
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1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION 4. PROJECT TITLE	·
ANKARA AIR S	TATION, TURKEY LONG PERIOD SEISMIC	ARRAY
5. PROGRAM E	LEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJ	ECT COST(\$000)

COST ESTIMATES

ANKR963001

100-000

3.13.24

9. COST ESTIMATE	.5			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
LONG PERIOD SEISMIC ARRAY ELEMENTS				1,068
REMOTE OPERATIONS FACILITIES	SF	700	76	( 53)
BOREHOLES	EA	7	145,000	(1,015)
SUPPORTING FACILITIES	1			1,625
ANTENNA TOWER - 40 FT	EA	6	50,000	( 300)
ANTENNA TOWER - 80 FT	EA	1	80,000	( 80)
ELECTRICAL SUPPORT	LS			( 500)
ACCESS ROADS	м2	4,800	30	( 145)
SITE IMPROVEMENTS	LS	•		( 100)
EXPATRIATE LAND	LS			( <u>500</u> )
SUBTOTAL	1		1	2,693
CONTINGENCY (5%)		ļ		135
TOTAL CONTRACT COST				2,828
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)	ļ			<u> 184</u>
TOTAL REQUEST				3,012
TOTAL REQUEST (ROUNDED)		1		3,000
	1	1		ĺ
				ļ

10. Description of Proposed Construction: Drill seven long period (LP) boreholes and encase to a depth of 220 feet. Construct seven 100 SF underground remote operations facilities to house seismic equipment Provide associated antenna towers to house data transmission equipment. Includes gravel access roads, electrical service and fencing.

11. REQUIREMENT: 7 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct Long Period Seismic Array. (Current Mission) REQUIREMENT: Project provides facilities for the installation of seismic instruments used to transmit continual seismic data transmission using data link. The long period array focuses on seismic events which propagate horizontally. Includes the installation of seven boreholes to house sensitive LP seismic array elements. Each of the new seven array elements will be positioned approximately 20 kilometers from the central recording building located at Belbasi, near Ankara Turkey to form a radial with seven legs. The seismic array is required in direct support of the Air Force Technical Applications Center requirement to monitor provisions of "Safequard D of the limited Nuclear Test Ban Treaty of 1963" and the upcoming taskings associated with the Comprehensive Test Ban Treaty. Major tasking is verification of subsurface disturbances and to determine if the disturbance was natural or man-made. The Belbasi location remains extremely critical in the performance of this assigned tasking. CURRENT SITUATION: The Belbasi Seismic Research Station was established in the mid-1950's. Cultural encroachment and construction within the existing array has decreased the detection capability of the array by This reduced data accumulation capability means the approximately 50%. loss of critical information. Only one seismometer is available on site since all others have been rendered useless due to encroachment.

3,000

	1. COMPONENT				2. D	ATE
		FY	1996 MILITARY CONSTRUCTION PROJECT DA	AT.		
	AIR FORCE		(computer generated)			
	3. INSTALLATION	AND	LOCATION			
	ANKARA AIR STAT	ION,	TURKEY			
	4. PROJECT TITL	E		5.	PROJECT	NUMBER
					N N W D O C 2 (	201
i	LONG PERIOD SEI	SMIC	ARRAY	<u> </u>	<u> ANKR9630</u>	101

of Ankara has grown by a factor of four since the original array system became operational and increased congestion and noise levels will only get worse. In fact, additional encroachment has been experienced due to the construction of a new Turkish Military Academy within the adjacent compound area.

IMPACT IF NOT PROVIDED: Continued encroachment will further degrade seismic operations. Mission shut down will be a "show-stopper" for AFTAC's global network of nuclear monitoring responsibilities. Failure to execute this project will eliminate the seismic data sharing arrangement established with the host nation. Also, it would preclude Turkey from being added to the ranks of the Comprehensive Test Ban Treaty monitoring participants. Finally, it will eliminate a strategic vantage point providing surveillance of neighboring countries which desire to develop or expand nuclear weapons capabilities.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2 "Standard Facility Requirements." This project is not eligible for NATO funding.

(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 , 15 (d) Date 35% Designed. 95 MAR 3 (e) Date Design Complete 95 AUG 3  (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications 5 (b) All Other Design Costs 10 (c) Total (d) Contract 15 (e) In-house	THOMBET	ATTON AND	(computer generated)		
A. PROJECT TITLE  CONG PERIOD SEISMIC ARRAY  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  5. PROJECT NUMBE ANKR963001  5. PROJECT NUMBE ANKR963001  94 JUL 1 (95 MAR 3  95 MAR 3  96 MAR  5. PROJECT NUMBE ANKR963001	. INSTAL	ATION ANI	b Location		
ANKR963001  2. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  96 MP	NKARA AII	R STATION	, TURKEY	1	
a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete  (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house  (4) Construction Start  (5) Equipment associated with this project will be provided from	. PROJECT	TITLE		5. PROJ	ECT NUMBER
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							2.	DATE	<u> </u>	
1. COMPONENT									2	
FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)										
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3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
				Ì						
ANKARA AIR FO	RCE B	ASE, TURKEY		SH	ORT	PERIOD SE	ISMIC AR	RAY		
		6. CATEGORY CODE	7. PR	OJEC	T NU	MBER 8.	PROJECT	COST (	\$000)	
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		FACILITIES			SF	700	76	1	53)	
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10. Description of Proposed Construction: Drill six new short period (SP) boreholes and encase. Drill one new broadband borehole and encase. Construct seven 100 SF underground remote operations facilities to house seismic equipment and a 100 SF central communications facility. Provide associated communications towers. Includes required access roads, electrical service and fencing.

11. REQUIREMENT: 7 EA ADEQUATE: O SUBSTANDARD: 7 EA PROJECT: Construct Short Period Array. (Current Mission) REQUIREMENT: Provides the facilities for the installation of seismic instruments for continual seismic data transmission using radio data link. The short period array focuses on seismic events which propagate vertically. Includes the installation of six boreholes to house sensitive seismic array elements. Each of the six array elements will be positioned 2 kilometers from the central recording building located in Keskin, Turkey to form a radial with six legs. Also, installation of one borehole to house broadband seismic elements will be provided. This seismic array is required in direct support of the Air Force Technical Applications Center (AFTAC) requirement to monitor provisions of "Safeguard D of the Limited Nuclear Test Ban treaty of 1963" and the upcoming taskings associated with the Comprehensive Test Ban Treaty. Improved mission capability will also be achieved by providing seismic data with adequate signal-to-noise ration and installation of digital equipment with wider bandwith and greater dynamic range.

CURRENT SITUATION: Seismic data is currently being collected through an existing short period array near Ankara, Turkey; however, the size and position of this array is ineffective and severely limits the amount of useful information that can be obtained. Furthermore, the city of Ankara

EXPATRIATE LAND

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

CONTINGENCY (5%)

TOTAL REQUEST

SUBTOTAL

ACCESS ROADS/SITE IMPROVEMENTS

SUPERVISION, INSPECTION AND OVERHEAD (6.5%)

700)

300)

179

244

3,573

3,752

3,996

4,000

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
	ON AND LOCATION	
ANKARA AIR FO	RCE BASE, TURKEY	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
SHORT PERIOD	SEISMIC ARRAY	ANKR963002

has grown by a factor of four since this system became operational as background noise from cultural encroachment has reduced the collection capability by 50 percent. Construction at the nearby Turkish Military Academy, adjoining residential area and a nearby quarry are also reducing the effectiveness of the research station. To avoid this encroachment, AFTAC found it necessary to reduce the instrumentation from 16 SP seismometers to just 7 to eliminate the high noise locations. Additionally, the data transmission poles and cabling had to be relocated due to construction in the area thus further reducing the overall capability of the system.

IMPACT IF NOT PROVIDED: Continued encroachment will further degrade seismic operations. Mission shut down will be a "Show-stopper" for AFTAC's global network of nuclear monitoring responsibilities. Failure to complete this project will eliminate the seismic data sharing arrangement currently established with the host nation. Also, it would preclude Turkey from being added to the ranks of the Comprehensive Test Ban Treaty monitoring participants. Finally, it would eliminate a strategic vantage point to provide surveillance of neighboring countries which desire to develop or expand nuclear weapons capabilities.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." This project is not eligible for NATO funding.

	T	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A?
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ANKARA AIR	FORCE BASE, TURKEY	
1. PROJECT		5. PROJECT NUMBE
SHORT PERIO	DD SEISMIC ARRAY	ANKR963002
12. SUPPLI	EMENTAL DATA:	
a. Estin	nated Design Data:	
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	(a) Date Design Started	94 JUL 1
	(b) Parametric Cost Estimates used to develop c	
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	d) Date 35% Designed.	95 MAR 3 95 AUG 3
ı	(e) Date Design Complete	95 AUG 3
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	a) Standard or Definitive Design -	NO
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(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$00
(	a) Production of Plans and Specifications	8
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	c) Total	15
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e. Authoriza f. Planned I	n Nevt Fo	ur Program	Years:		í	•	•		4,45	0
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831-165 UPG				T		LS	2,90	<u>00                                   </u>	AR 94	AUG 95
					TOTAL		4,50			
9a. Future	Projects:	Include	d in the	Follo	owing	Prog	ram (	FY 199	97)	
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	ITNESS CEN									
					TOTAL		1,8	00		
9b. Future	Projects:	Typical	Planned	Next	Four	Year	s:			
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C	ONTROL									
750-000 REG	CREATION C	OMPLEX				LS	1,5		•	
10. Mission	n or Major	Function	s: A wi	ng wi	th no	perm	anent	ly as	signed	1
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e			e. As a	h	incd I	JS/Tu	rkısn	Comm	on ae	rense
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1. COMPONENT			2. DATE
FY	1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT	TITLE
INCIRLIK AIR BASE,			OPMENT CENTER
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.75.96U	740-884	LJYC963001	1,600
	9. cosi	ESTIMATES	

31 00DI 2DIII				
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
CHILD DEVELOPMENT CENTER	SF	18,000	67	1,206
SUPPORTING FACILITIES				220
UTILITIES	LS			( 30)
PAVEMENTS	SY	2,000	10	( 20)
SITE IMPROVEMENTS	LS			( 50)
PLAYGROUND	LS			( 120)
SUBTOTAL		'		1,426
CONTINGENCY (5%)				71
TOTAL CONTRACT COST	ļ			1,497
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)	Ì	i		97
TOTAL REQUEST	}			1,594
TOTAL REQUEST (ROUNDED)				1,600
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10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, frame, masonry walls and tile roof. Includes parking, site improvements, fire sprinkler system, utilities and necessary support. Functional areas include: reception, multi-purpose rooms, restrooms, storage, isolation rooms, offices, laundry, kitchen, mechanical room and playground.

Air Conditioning: 60 Tons.

11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SUBSTANDARD: 7,140 SF PROJECT: Construct a child development center (CDC). (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. A properly sized child development center is required to provide supervised care and a development experience for dependent children aged six weeks through twelve years. The facility must provide a comfortable, clean, educational environment where military service members and DoD civilians can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable child care available.

CURRENT SITUATION: The existing child development center is adequate to accommodate a maximum of 84 children, and daily attendance at the center averages 81, or 96%. At the present time, 150 children are on the waiting list. This project will provide a facility which will serve a total of 200 children. The existing facility is totally substandard and does not meet DOD criteria for child development centers. It is a prefabricated metal building, constructed as a temporary facility, which cannot

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
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4. PROJECT TI	TTLE 5.	PROJECT NUMBER
CHILD DEVELOR	PMENT CENTER	1 170963001

accommodate infants. The overflow is turned away, and many parents have given up hope and left their children in the care of untrained, non-English speaking Turkish maids. Large numbers of single parents and dual-tasked military couples with children at Incirlik Air Base have great difficulty obtaining quality child care. After construction of this project, the existing child development center (7,140 SF) will be converted into a Morale, Welfare and Recreation storage warehouse. The cost of CDC care ranges from \$44 to \$86 per week. Licensed care is not available on the economy.

IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of active duty military and DoD civilians at Incirlik Air Base, readiness will decline. Personnel that have the additional burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use unskilled, untrained child care providers. Lack of appropriate, caring supervision and developmental interaction is highly detrimental to the development of young children.

ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. Current NATO policy indicates that this item will continue to be a user responsibility. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993.

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INCIRLIK AIR	BASE, TURKEY		
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CHILD DEVELO	PMENT CENTER	LJ	(C963001
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12. SUPPLEM	ENTAL DATA:		
a. Estima	ted Design Data:		
(1) S	tatus:		
	) Date Design Started		94 JAN 04
	) Parametric Cost Estimates used to develop	costs	Y
(c	) Percent Complete as of Jan 1995 '		65%
(d	) Date 35% Designed.		94 OCT 01
(е	) Date Design Complete		95 AUG 01
(2) B	asis:		
	) Standard or Definitive Design -		МО
	) Where Design Was Most Recently Used -		N/A
, 2, m	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	) Production of Plans and Specifications		96
	) All Other Design Costs		,
•	) Total		96
	) Contract		
	) In-house		96
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(4) C	onstruction Start		95 DEC
b. Equipmen	t associated with this project will be provide	ed from	1
	riations: N/A		•

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1. COMPONENT			2. DATE
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AIR FORCE	(compu	ter generated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	

INCIRLIK AIR BASE, TURKEY UPGRADE SEWAGE TREATMENT PLANT 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.74.56U 831-165 LJYC973003 2,900

9. COST	ESTIMATES
---------	-----------

3,000				
			UNIT	COST
ITEM -	U/M	QUANTITY	COST	(\$000)
UPGRADE SEWAGE TREATMENT PLANT	Ls			2,175
LABORATORY/WORK SHOP/CHLORINE BUILDING	SF	2,000	80	( 160)
SEDIMENTATION TANKS	EA	2	250,000	( 500)
SLUDGE PROCESSING SYSTEM	Ls			(1,015)
POND LINER/OUTFALL SEWER REPAIRS	LS			( 500)
SUPPORTING FACILITIES				300
UTILITIES .	LS	•		( 175)
PAVEMENTS	LS		]	( 50)
SITE IMPROVEMENTS	LS		]	( 50)
DEMOLITION	SF	1,550	16	( <u>25</u> )
SUBTOTAL				2,475
CONTINGENCY (10%)				248
TOTAL CONTRACT COST	-		1	2,723
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)	1			177
TOTAL REQUEST				2,900
TOTAL REQUEST (ROUNDED)	1			2,900
	1			İ

- Description of Proposed Construction: Upgrade sewage treatment plant. Install bar screens, comminutor, piping, sedimentation tanks, trickling filters, laboratory/workshop, sludge processing system, chlorination system, pump stations, flow meters and standby power. Repair pond liners. Demolish existing sewage treatment facilities. Provide laboratory equipment and repair effluent pipeline.
- REQUIREMENT: As required.

PROJECT: Upgrade sewage treatment plant. (Current Mission)

REQUIREMENT: This is a level I environmental compliance project. Provide a sewage treatment plant to meet DoD Final Governing Standards for wastewater discharge.

CURRENT SITUATION: Base sewage effluent does not meet DoD Final Governing Standards (FGS) for wastewater discharge. The existing primary treatment process at the plant consists of an out-of-service clarifier and two undersized Imhoff tanks which are frequently out of service for maintenance. This results in heavy biological oxygen demand (BOD) loadings on the facultative lagoons and reduces the efficiency of the plant. Additionally, there is no laboratory or maintenance facility on the site to insure that effluents are in compliance with DoD FGS. IMPACT IF NOT PROVIDED: This base will not comply with the DoD Final Governing Standards for wastewater discharge. The existing plant's effluent will continue to pollute local streams. The plant will be out of compliance with the increasingly stringent host nation wastewater discharge standards. The likelihood of receiving notices of violation and fines will escalate.

ADDITIONAL: This project is not NATO eligible. It is not within an established NATO infrastructure category for common funding, nor is it

<del>,</del>				
1. COMPONENT		:	2. DATE	
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra a		
AIR FORCE	(computer generated)			
3. INSTALLAT	ION AND LOCATION			
INCIRLIK AIR	BASE, TURKEY			
4. PROJECT T	TTLE	5. PRO	JECT NUM	BER
UPGRADE SEWAC	GE TREATMENT PLANT	LJY	973003	

expected to become eligible. Current NATO policy indicates that this item will continue to be a user responsibility. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
AIR FORCE	(computer generated)	
. INSTALLAT	ION AND LOCATION	
	BASE, TURKEY	F PROTECT WWW.PRD
. PROJECT T	ITLE	5. PROJECT NUMBER
PGRADE SEWA	GE TREATMENT PLANT	LJYC973003
2. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
<b>,</b> – , –	tatus:	••
	) Date Design Started	94 MAR 15
	) Parametric Cost Estimates used to develop c	
	) Percent Complete as of Jan 1995	35%
(d	) Date 35% Designed.	95 JAN 15
( e	) Date Design Complete	95 AUG 15
\ - <i>/</i> -	asis:	
	) Standard or Definitive Design -	NO
(þ	) Where Design Was Most Recently Used -	N/A
	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	) Production of Plans and Specifications	130
(þ	) All Other Design Costs	
•	) Total	130
(d	) Contract	
(e	) In-house	130
(4) C	onstruction Start	96 MAR
_		
	t associated with this project will be provide riations: N/A	ed from

1 501/501/51			-		<del></del>					2. DAT	יםי
1. COMPONENT	<b></b>	1006	MTT TO	NDV 901	NIC (PD II	TOTAL	יססמם	2 N M		Z. DAT	. <b>C</b>
FY 1996 MILITARY CONSTRUCTION PROGRAM AIR FORCE (computer generated)											
AIR FORCE   (computer generated)   3. INSTALLATION AND LOCATION   4. COMMAND   5. AREA CONST											
				ED		ED STA	res z	ATR			T INDE
ROYAL AIR FOR	CE LAKENI	icain,	OMITI	<i>U</i>		ES IN					33
KINGDOM		-	ERMANI	PNT		CUDENT			POR		<u> </u>
6. PERSONNEL	-		ENL	CIV			CIV			CIV	TOTAL
STRENGTH			4000			ENL	CIV	2	2111	8 268	
a. As of 30 S								2		8 268	5,318
b. End FY 200	00	492			D 3 (17)	10000	<u> </u>			0 200	3,310
				ENTORY	DATA	(\$000	)		-		
a. Total Acre		2,3		3D 04:						160 06	.E
b. Inventory	Total As	UI:	(30 81	EP 94)						168,86 3,60	
c. Authorizat					~~~					1,82	
d. Authorizat	ion Reque	stea .a.a.	TU TUI	LS PIO	Jram:	- 2 m +	/EV 7	9971		7,95	
e. Authorizat f. Planned In	ton Inclu	uea l	TI LOTI	Years.	FLOGI	. euu :	(r. r. 1			19,25	
			gram	rears:		-				43,95	
g. Remaining		:y:								245,43	
<ul><li>h. Grand Tota</li><li>8. PROJECTS F</li></ul>		TN TE	ITS DD	CPAM.	FV 1	996			<del></del>	243,43	
CATEGORY	(EQUESTED	IN II.	IIS INC	JGIGHT.		. , , ,		COST	· r	DESIGN	STATUS
	DDO TE	CT TI	TT F			COPE		(\$000	-	START	CMPL
CODE	PROJE	C1 11	1112		-	,cor <u> </u>		12000		<u> </u>	<u> </u>
212-213 ADD SHC		E MAI	NTENA	NCE		4,300	_	1,82		SEP 94	JUL 95
		T 1		- 44-	17-11-	TOTAL:				2071	,
	rojects:	Tucl	uaea 1	ru cue	LOTIC		PN			,,,	
721-312 DORM		TO THE TAIL	ያልጥ <b>ሮ</b> D			130	LS	4,15			
842-245 ADD							пo	7,10	5		
DIS	TRIBUTION	. LIWIN				TOTAL:	<b>-</b>	7,95	<u>_</u>		
9b. Future P	rojects	Tuni	cal Di	lanned	Next				<u>-</u>		
121-111 CONS						8,000			0		
141-753 ADAL						2,200		1,90			
211-152 GENE						4,000		3,20			
	AT READIN					5,000		3,70			
721-312 ADD				DRIES		216		-			
	or Major									squadro	ns
and oneF-15C/										_	
	ing pollu										
				•							
a. Air	pollution	ı:								0	
	r polluti									2,500	)
	pational		y and	health	<b>1</b> :					900	
	r Environ		_							C	

1. COMPONENT					2. DATE			
	FY 1996 MILITAR	Y CONSTRUCTI	ON PROJECT	DATA				
AIR FORCE	(com	puter genera	ed)					
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
ROYAL AIR FOR	RCE LAKENHEATH,	A	D TO MISSI	LE MAINTE	NANCE			
UNITED KINGDOM SHOP								
5. PROGRAM EI	LEMENT 6. CATEGORY CO	ODE 7. PROJE	T NUMBER	8. PROJECT	COST(SOOO)			

MSET936002

212-213

		l		-,020
9. COST ESTIMATE	S			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
ADD TO MISSILE MAINTENANCE SHOP	SF	4,300	320	1,376
SUPPORTING FACILITIES		1		310
UTILITIES	LS			( 95)
SITE IMPROVEMENTS	LS	}		( 70)
PAVEMENTS	LS			( 80)
FIRE PROTECTION SYSTEMS	LS	l		(65)
SUBTOTAL	1			1,686
CONTINGENCY (5%)				84
TOTAL CONTRACT COST				1,770
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)	1			44
TOTAL REQUEST	1			1,814
TOTAL REQUEST (ROUNDED)	1			1,820

10. Description of Proposed Construction: Construct reinforced concrete floor, foundations, walls, and roof system consistent with existing facility. Includes intrusion detection, fire detection and suppression, hoist, compressed air and work area for disassembly, maintenance and assembly. Upgrade power supply, heating and ventilation. Provide secure working/storage area.

11. REQUIREMENT: 9,425 SF ADEQUATE: 5,094 SF SUBSTANDARD: 0
PROJECT: Add to missile maintenance shop. (New Mission)
REQUIREMENT: A facility to support missile inspection, testing, assembly and repair, test and repair of ground support equipment, inspection and calibration. Includes areas for storage of supplies and equipment, administrative offices, and a ready/standby room. Provide a secure working/storage area for classified storage and training. Requires intrusion detection and controlled access. Due to the beddown of F-15 aircraft from Bitburg AB, the existing facility cannot meet the demands for additional missile maintenance.

CURRENT SITUATION: The current missile maintenance shop was constructed in 1953 and expanded in 1976 to support additional munitions types. With the transition of F-15C/D aircraft to Lakenheath, there are now three additional types of munitions facilities housed in a two-bay facility. The current facility cannot adequately support the maintenance requirements with the additional air-to-air missiles added to Lakenheath's support requirement. As an interim measure, an old aircraft maintenance unit facility is currently being modified to handle the inspection workload but it does not have adequate ceiling height to install a hoist system to move munitions around the shop. This will force the maintenance crews to use forklifts to move equipment and munitions around the work

2.75.960

1.820

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	
ROYAL AIR FORC	E LAKENHEATH, UNITED KINGDOM	
4. PROJECT TIT	LE 5.	PROJECT NUMBER

area. This is a safety hazard. Additionally, the space in this facility is inadequate to meet the requirements of a missile maintenance bay. No other facility currently exists at Lakenheath to adequately support this requirement. This will force missile maintenance to be performed in a substandard workaround facility. Approximately 300 additional missiles were added to Lakenheath's support requirements by this beddown.

IMPACT IF NOT PROVIDED: The maintenance crews will continue to use an inadequate workaround that will cause delays in maintenance and potentially hazardous working conditions. They will not be able to provide adequate maintenance to all the missiles in the Lakenheath inventory.

ADD TO MISSILE MAINTENANCE SHOP

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued to NATO for possible recoupment of U. S. funds, if the project becomes eligible in the future. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

MSET936002

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	A
IR FORCE	(computer generated)	
. INSTALLATION	ON AND LOCATION	
	CE LAKENHEATH, UNITED KINGDOM	
. PROJECT TI	rle ;	PROJECT NUMBER
	i	
DD TO MISSIL	E MAINTENANCE SHOP	MSET936002
2. SUPPLEME	VM3.7 . D.3.003	
2. SUPPLEME	VTAL DATA:	
a .Fotimate	nd Dogina Data	
a. Estimate	ed Design Data:	
(1) Sta	atus.	
` '	Date Design Started	04
	Parametric Cost Estimates used to develop co	94 SEP 30
	Percent Complete as of Jan 1995	
	Date 35% Designed.	259
	Date Design Complete	95 FEB 28
(e)	Date Design Complete	95 JUL 21
(2) Bas	sis:	
(a)	Standard or Definitive Design -	NO ·
	Where Design Was Most Recently Used -	N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	
(3) 100	Production of Plans and Specifications	(\$000
	All Other Design Costs	30
	Total	72
•	Contract	102
` '	In-house	72
(e)	In-nouse	30
(4) Con	struction Start	95 NOV
•		32 NOV
Equipment	associated with this project will be provided	from
her appropri	ations: N/A	

1. COMPONENT								2	. DA	ΓE
FY 1996 MILITARY CONSTRUCTION PROGRAM								-		
AIR FORCE		(com	puter (	genera	ated)					
3. INSTALLATI	ON AND LOCAT	ION			DNAMMO			5		EA CONS
ROYAL AIR FOR	CE MILDENHALI	L, UNIT	ED	1 -	ED STA					ST INDE
KINGDOM				<del> </del>	ES IN 1					.33
6. PERSONNEL										
STRENGTH	OF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 S	SEP 94   269	2577					13	30	4	3,49
b. End FY 200	00 396	3453					13	30	4	4,51
		7. INV	ENTORY	DATA	(\$000	)				
a. Total Acre		149)								
b. Inventory								1:	15,04	
c. Authorizat									4,80	
d. Authorizat									2,25	
e. Authorizat				Progr		(FY ]	1997)		6,40	,
f. Planned In		cogram :	ears:							0
g. Remaining	Deficiency:								34,58	
h. Grand Tota								16	53,07	70
8. PROJECTS F	REQUESTED IN 1	THIS PRO	OGRAM:	FY 3	1996					
CATEGORY							COST			STATUS
CODE	PROJECT 1	TITLE		-	COPE		(\$000	<u>s:</u>	TART	CMPL
740-884 ADD	TO AND ALTER	CHILD		1	7,100	SF	2,25	O JAI	1 94	AUG 9
	ELOPMENT CENT				•		•			
					TOTAL		2,25	0		
9a. Future P	rojects: Inc	luded :	in the	Follo	wing H	rogr			7)	
721-312 DORM	_				220		6,40		•	
					TOTAL:	:	6,40	-		
9b. Future P	rojects: Tyr	oical Pi	lanned	Next	Four 1	ears	:			
	or Major Fund							rce; a	fly	'ing
wing with a K										
In 1995, a Sp	ecial Operati	ons Gro	oup (So	OG−-MC	/HC-13	30 ai	rcraf	t and	MH-5	3
helicopters)	will consolid	late ope	eration	ns at	RAF M	lder	nhall:	from I	RAF	
Alconbury.										
11. Outstand	ing pollution	and sa	efety	(OSH)	defici	Lenci	les:			
3 74	pollution:	•		•					c	)
	=								1,300	-
	r pollution:		hoal+1					•	, 300	
	pational safe	-	nearti	1.					(	-
d. Othe	r Environment	al:							•	,

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONST	TRUCTION PROJECT DATA	
AIR FORCE	(computer o	generated)	<u> </u>
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	
ROYAL AIR FOR	CE MILDENHALL,	ADD TO AND ALTER CH	HILD
UNITED KINGDO	M	DEVELOPMENT CENTER	

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

QFQE933011R1

9. COST ESTIMATES

740-884

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
ADD TO AND ALTER CHILD DEVELOPMENT				
CENTER	SF	17,100		1,842
ADDITION	SF	10,000	170	(1,700)
ALTERATION	SF	7,100	20	( 142)
SUPPORTING FACILITIES	1.			135
UTILITIES	LS	i		( 35)
PAVEMENTS	SY	1,750	20	( 35)
FIRE PROTECTION	LS			( 40)
SITE IMPROVEMENTS	LS			( 10)
DEMOLITION	SF	1,250	12	(15)
SUBTOTAL				1,977
CONTINGENCY (10%)				198
TOTAL CONTRACT COST				2,175
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)	İ			54
TOTAL REQUEST				2,229
TOTAL REQUEST (ROUNDED)	1			2,250
	1			

- 10. Description of Proposed Construction: Clear site, excavate, and lay foundations; erect a brick building with pitched tile roof. Includes all necessary playgrounds, sidewalks, car parking, utilities, communications, water, electricity, and drains. Alterations to existing building to meet current standards. Provide security and fire protection. Demolish one building.
- 11. REQUIREMENT: 17,100 SF ADEQUATE: 0 SUBSTANDARD: 8,350 SF PROJECT: Add to and alter child development center (CDC). (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Adequate facilities are essential for providing supervised care and developmental experience for dependent children aged six weeks to twelve years. The facility must provide space for multi-purpose rooms for children of different age groups, offices, storage, laundry, and support areas. The facility must provide a comfortable, clean educational environment where service members can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable childcare available.

CURRENT SITUATION: Existing facility is adequate to accommodate a maximum of 92 children. Daily attendance at the center averages 102, or 111%. At the present time, 121 children are on the waiting list. This project will result in a facility which will serve a total of 228 children. This shortfall does not include any additional spaces required to support the planned beddown in March 1995 of the 352 Special Operations Group. The

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2,250

-	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJEC	T DATA	
	AIR FORCE (computer generated)		<u> </u>
	3. INSTALLATION AND LOCATION		
	ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM		
	4. PROJECT TITLE	5. PR	OJECT NUMBER
ļ	ADD TO AND ALTER CHILD DEVELOPMENT CENTER	QF	QE933011R1

lack of child development center space causes hardship for military and

civilian families since alternatives are unreliable, inconveniently located, expensive, and do not provide the developmental opportunities available in a formal program. Child care off-base costs four times the average on-base rate and facilities do not meet standards set by the Military Child Care Act of 1989. The cost of off-base child care is between \$105 and \$150 per week and family day care is \$80 per week when licensed through the base. Demolish one 1,232 square foot facility. IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of assigned personnel, readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as efficiently as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place their children in inadequate care in the local communities, or the spouses will not be able to work. ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. A preliminary economic analysis of reasonable options for accomplishing this project (status quo, upgrade, new construction) was done. It indicates there is only one option that will meet the requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT		2. DATE
1. COM OND.	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A'
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	ON AND LOCATION	
	WINDOW	
ROYAL AIR FOR	RCE MILDENHALL, UNITED KINGDOM	5. PROJECT NUMBER
4. PROJECT T	TLE	
ADD TO AND AL	TER CHILD DEVELOPMENT CENTER	QFQE933011R1
12. SUPPLEM	ENTAL DATA:	
a. Estimat	ted Design Data:	
	catus:	
(a	) Date Design Started	94 JAN 04
(þ	Parametric Cost Estimates used to develop	costs Y
(c	Percent Complete as of Jan 1995 '	50% 94 OCT 01
(d	Date 35% Designed.	94 OCT 01 95 AUG 01
(e	) Date Design Complete	95 AUG UI
(2) B	asis:	
(a	) Standard or Definitive Design -	YES
(þ	) Where Design Was Most Recently Used -	RAMSTEIN
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
`´(a	) Production of Plans and Specifications	90
(b	) All Other Design Costs	
	) Total	90
	) Contract	90
( e	) In-house	
(4) C	onstruction Start	95 DEC
	t associated with this project will be provid riations: N/A	ed from

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1. COMPONENT FY	1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROGRAM  AIR FORCE (computer generated)										
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VARIOUS LOCATIONS									CO	ST INDEX	
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b. End F1	<del></del>	. INVI	ENTORY	DATA	(soon	<del>                                     </del>			<u> </u>		
a. Total Acreage: (		)	7	<i>D1111</i>	1000				· · · · · · · · · · · · · · · · · · ·		
b. Inventory Total As	Of:	τ									
c. Authorization Not Not Not Not Not Not Not Not Not Not	et in ested	In Thi	itory:	ram.							
e. Authorization Inclu	ided I	n Foll	lowing	Progr	am:						
f. Planned In Next Thr	ee Pro	ogram	Years:	:							
g. Remaining Deficience h. Grand Total:	:y:										
8. PROJECTS REQUESTED	IN TH	IS PRO	GRAM:	FY 1	995	1					
CATEGORY							COST	<u>D</u>	ESIGN	STATUS	
<u>CODE</u> <u>PROJE</u>	CT TIT	<u>rle</u>		<u>s</u>	COPE	,	<u>(\$000</u>		START	CMPL	
010-211 UNSPECIFIED	MINOR	CONST	TRUCTIO	ON	LS		9,030	)			
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	1. COMPONENT									2.	DATE
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_	VARIOUS LOCATIONS										RUCTION
	5. PROGRAM ELEMEN	T 6. CATEGORY	CODE	7. PRO	)JEC	T NU	MBER	8. 1	PROJEC'	Г	COST(\$000)
		0.000.				4015	_				0.000
_	9.12.11M	010-211		ESTIN		4015	<u> </u>				9,030
-		9.	. COS	ESIII	MIE	<u> </u>	1		UNIT		COST
		ITEM				11 /M	QUAN	ידייע	COST		(\$000)
	UNSPECIFIED MINOR					LS	QUAIN.	1111	CO31	-	9,030
	SUBTOTAL	COMBINECTION					1				9,030
	TOTAL CONTRACT CO	ነፍጥ									9,030
	TOTAL REQUEST	,61									9,030
	TOTAL REQUEST (RO	OUNDED)									9,030
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10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost between \$300,000 and \$1,500,000, including construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC 2805.

11. REQUIREMENT: As required.

REQUIREMENT: This package provides the means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY 96. Included would be projects to support new mission requirements, support of new equipment and concepts and other essential support to Air Force missions and functions that could not wait until availability of FY 97 Military Construction Program funds. 10 USC 2805 provides authority to the Secretaries of the military departments to accomplish projects of this nature.

4-										_:			
1	. COMPONENT		1004								2. D	ATE	
	FY 1996 MILITARY CO AIR FORCE (computer					NSTRU	CTION I	PROG	RAM				
	. INSTALLAT	ION AND TO	OCATIO	ON (COM	puter		ommand				5 41	DEA -	10170-
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	ARIOUS LOCA											0.00	MUCA
16	. PERSONNEL			PERMAN			<b>TUDENTS</b>			POR		Ī	
1.	STRENGTH	-	OFF	ENL	CIV	OFF	ENL	CIV	OFF	EN	L CIV	TO	TAL
1	. As of . End FY								ĺ				
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Ь	. Inventory	Total As	Of:	,									
С	. Authoriza	tion Not Y	et Ir	Inver	ntory:								
d	. Authoriza	tion Reque	ested	In Thi	is Prog	ram:							
e	<ul> <li>Authorizat</li> </ul>	tion Inclu	ided 1	[n Fol]	lowing	Progr	am:						
f	. Planned I	n Next Thr	ee Pr	ogram	Years:	_							
g	. Remaining	Deficienc	<b>y:</b>										
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1. COMPONENT						12.	DATE
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3. INSTALLATION A	ND LOCATION	4.	PRO	JECT TI	ITLE		
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5. PROGRAM ELEMEN	T 6. CATEGORY CODE	7. PROJEC	T NU	MBER 8	3. PROJ	ECT	COST(\$000)
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	9. cos	T ESTIMATE	ES			**	
					UN:	T	COST
	ITEM			QUANT	ITY CO	ST	(\$000)
PLANNING AND DEST	GN		LS				30,835
SUBTOTAL							30,835
TOTAL CONTRACT CO	ST						30,835
TOTAL REQUEST							30,835
TOTAL REQUEST (RO	UNDED)						30,835
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10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction Programs.

11. REQUIREMENT: As required.

REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY 97 Military Construction Program, initiate design of facilities in the FY 98 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of construction management activities of projects that are funded by foreign governments and for design of classified and special programs.

1. COMPONENT F	Y 1996 MILITARY C			OJECT	DAT		DATE
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5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJEC	T NU	MBER	8. I	PROJECT	COST (\$000)
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	1. COMPONENT				2. DATE
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	AIR FORCE		(computer generated)		
-	3. INSTALLATION AN	ID LOCATION			
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	4. PROJECT TITLE			5.	PROJECT NUMBER
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	ALASKA				
	ELMENDORF AFB (	PAFI	REPAIR AIRFIELD TAX	YTWAY	900
	FXSB931012G				300
	12007510120				

Repair airfield taxiway. (Current Mission) This is a Level I Commander's Facility Assessment requirement. Adequate airfield taxiways in good condition are required for the safe operation of assigned and transient aircraft. The taxiways are required to provide aircraft access to 15 parking hardstands, two C-130 maintenance hangars, and the base fuel cell. The taxiways have deteriorated from the harsh winter climate and several years of snow removal operations. Pavement heaves are visible and spalls have developed. The old, brittle asphaltic concrete has developed a very consistent pattern of longitudinal and transverse cracks approximately every 50 feet along the taxiway lane. The damage is too extensive to repair with pavement patches. Deteriorated pavements can prove detrimental to aircraft engines and to the overall safety of aircraft operations. The taxiway pavements will continue to deteriorate. Advanced failure of the surface will eventually force closure of the taxiways, thereby impacting C-130 aircraft operations and increase the cost to repair the pavements. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

112-211

1. COMPONENT		2. DATE
1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A
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	ION AND LOCATION	
3. INSTREBRI	ION AND BOCATION	
DI MENDODE AT	R FORCE BASE, ALASKA	•
4. PROJECT T		5. PROJECT NUMBER
4. PRODECT I	1155	
REPAIR AIRFI	PID TAYIWAY	FXSB931012G
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12. SUPPLEM	ENTAL DATA:	ļ
12.		ļ
a. Estima	ted Design Data:	
	<b>3</b>	
(1) S	tatus:	
	) Date Design Started	94 MAY 02
(E	) Parametric Cost Estimates used to develop	costs Y
10	Percent Complete as of Jan 1995	40%
(6	) Date 35% Designed.	94 DEC 15
	) Date Design Complete	95 AUG 15
,	,	
(2) E	asis:	
(a	) Standard or Definitive Design -	NO
(t	) Where Design Was Most Recently Used -	N/A
(3)	cotal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	) Production of Plans and Specifications	50
	) All Other Design Costs	68
(0	c) Total	118
(0	) Contract	
(6	e) In-house	118
		06 75.11
(4)	Construction Start	96 JAN
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	at associated with this project will be provid	ed IIOm
other approp	oriations: N/A	
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1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES 5. PROJECT NUMBER 4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER COST STATE AND LOCATION PROJECT TITLE (\$000) ALASKA MILSTAR COMMUNICATIONS GROUND ELMENDORF AFB (MTC)

FXSB949999

850

TERMINAL

131-132

Construct a Milstar communications ground terminal support facility. (New Mission) A properly sized facility is required to house two 60 KW generators and an uninterruptible power supply (UPS) system for the Milstar Communications Ground Terminal located in an adjacent facility. The emergency power equipment and supporting facility must be designed to meet Milstar facility specifications. The Milstar system provides the National Command Authority (NCA) with the only worldwide, secure, two-way, anti-jam and survivable system with a low probability of detection/ interception voice and data communication capability via satellites. Milstar terminal equipment for this site is scheduled for delivery in August 1996. The existing facility has no space available to house the new standby generators and uninterrupted power supply. Critical connectivity between NORAD/Space Command and other high priority users would be lost during crises, denying the ability to command and control military forces through all levels of conflict. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Unlike Milstar ground communications terminals at other locations, this terminal requires no special shielding.

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1. COMPONENT	THE 1006 WILLIAM	ARY CONSTRUCTION E	DO TECH DATA	2. DATE
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	FORCE BASE, ALASI	KA	le pp	DJECT NUMBER
4. PROJECT TI	TLE		5. PK	JJECI NUMBER
MILSTAR COMMU	NICATIONS GROUND	TERMINAL	FX	SB949999
12. SUPPLEME	NTAL DATA:			
a. Estimat	ed Design Data:			
\-/	atus:	_		02 7777 25
(a)	Date Design Sta	rted	a develop gosts	93 JUN 25 N
	Parametric Cost Percent Complete		develop coscs	35%
	Date 35% Design			93 DEC 21
	Date Design Com			95 JUL 16
(2)	bace bebag com	<b>F</b>		
(2) Ba		initiwo Dogian -		NO
(a)	Standard or Def Where Design Wa	initive besign - c Most Recently Us	sed -	N/A
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(3) To	otal Cost (c) = (a	) + (b) or (d) +.	(e):	(\$000)
	Production of P		ations	50
	All Other Desig	n Costs		30
	Total			80
	Contract			60 20
(e)	In-house			20
(4) Co	onstruction Start			96 FEB
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other appropr	riations:		FISCAL YEAR	m COST
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1. COMPONENT	2. DATE
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3. INSTALLATION AND LOCATION	
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4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS \$1 MILLION AND UNDER	

STATE AND LOCATION

PROJECT TITLE

COST (\$000)

ARIZONA

DAVIS-MONTHAN AFB (ACC) FBNV963002

ALTER AIRCRAFT CORROSION CONTROL FACILITY

1000

211-159

Alter aircraft corrosion control facility. (Current Mission) This is a Level I environmental compliance project. Currently Davis-Monthan cannot comply with Title 17 of Pima County Code which requires that surface coating operations "be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray". No more than 40 lbs per day of organic compounds containing photochemically reactive solvents may be emitted to the atmosphere. Modern corrosion control facilities are required that will support the aircraft maintenance needs without polluting the environment. This project will provide the ventilation and filtration system necessary to capture the VOCs and particulate matter, and render the facility capable of functioning within the limits of local and federal environmental regulations. The existing facility lacks adequate ventilation to capture particulates from paint overspray and paint sanding residue. The result is that particulates accumulate on the walls, floor and ceiling rather than in the exhaust air filters. This also results in increased exposure of workers to paint dust and hazardous air pollutants. The ventilation system draws in more outside air than can be filtered by the existing exhaust air filtration system. This forces the release of particulates through inadequately secured doors, windows and other openings. There are no provisions to capture and/or treat exhaust air VOCs from the exhaust air stream. The current system operates in direct violation of Pima County Code requiring capture of at least 96 percent of the overspray and limiting emission of organic compounds containing photochemically reactive solvents to less than 40 pounds per day. Davis-Monthan will be out of compliance with Pima County air quality regulations, subjecting the base to possible fines and penalties and/or closure of the aircraft corrosion control facility. Additional expenses induced in either case would be prohibitive and would jeopardize the flying support mission effectiveness. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". This pollution control system will help reduce VOC emissions and contribute to the Air Force goal of reducing VOCs by 50% by 1999.

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IR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra
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	HAN AIR FORCE BASE, ARIZONA	
. PROJECT	TITLE	5. PROJECT NUMBER
LTER AIRC	RAFT CORROSION CONTROL FACILITY	FBNV963002
		151(1)03002
2. SUPPL	EMENTAL DATA:	
a. Egti	mated Design Data:	
	macca besign baca.	
(1)	Status:	
	(a) Date Design Started	94 JUN 01
	(b) Parametric Cost Estimates used to develop c	osts y
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	94 AUG 30
	(e) Date Design Complete	95 JUL 30
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	40000
	(a) Production of Plans and Specifications	(\$000 60
	(b) All Other Design Costs	110
	c) Total	170
	d) Contract	110
	e) In-house	60
(4)	Construction Start	96 JAN
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her appro	int associated with this project will be provide $priations: N/A$	d from
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1. COMPONENT

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AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE

2. DATE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

CALIFORNIA

TRAVIS AFB (AMC) XDAT963800 HAZARDOUS WASTE STORAGE

600

FACILITY

442-257

Hazardous waste storage facility. (Current Mission) This is a Level I Environmental Compliance Project. Project is required to provide a storage facility meeting Federal and State Environmental Protection Agency (EPA) regulations. Facility shall be constructed so as to contain any hamardous materials spills until proper disposition of such materials can be accomplished. Travis AFB constructed a hazardous waste storage facility through the FY91 operations and maintenance (O&M) program to bring hazardous waste storage requirements into EPA compliance. The work was originally split into two companion projects (minor construction and repair) and funded accordingly with O&M funds. A subsequent Air Force Audit Agency audit recommended that the repair project was incorrectly classed and that construction funds should have been used to accomplish both requirements under a single project. The audit also determined the total construction costs to be \$600,000. Since construction costs exceed the legal limit for O&M construction, the project must now be congressionally approved and authorized through the MILCON process. Air Force will be unable to reimburse the FY91 O&M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
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4. PROJECT 1.	TILE	5. PROJECT NUMBER
HAZARDOUS WAS	TE STORAGE FACILITY	XDAT963800
12. SUPPLEM	ENTAL DATA: .	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started .	90 DEC 01
(b)	Parametric Cost Estimates used to develop	costs N
(c)	Percent Complete as of Jan 1995	100%
(d)	Date 35% Designed.	91 MAY 30
(e)	Date Design Complete	91 SEP 01
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	36
	All Other Design Costs	18
(c)	Total	54
(d)	Contract	
(e)	In-house	54
(4) Co	nstruction Start	91 OCT
	associated with this project will be provide	ed from
other appropr	iations: N/A	

1. COMPONENT	<del></del>			2. DATE
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3. INSTALLATION AND LOCATION

## VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

**GEORGIA** 

MOODY AFB (ACC) QSEU961000 871-183 UPGRADE STORM DRAINAGE SYSTEM

690

•

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Moody AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Moody AFB does not provide storm water runoff control measures from the industrial areas of the base. The lack of containment and berming allows drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent pollution of Mission Lake and associated wetlands and Grand Bay wetlands. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Moody AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
MOODY AIR FO	RCE BASE, GEORGIA	
4. PROJECT 1	ITLE	5. PROJECT NUMBER
UPGRADE STOP	M DRAINAGE SYSTEM	QSEU961000
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S	tatus:	
( a	) Date Design Started	94 JUL 01
	) Parametric Cost Estimates used to develop of	costs N
( c	) Percent Complete as of Jan 1995 '	35%
( d	) Date 35% Designed.	94 AUG 01
(€	) Date Design Complete	95 OCT 01
(2) B	asis:	
( a	) Standard or Definitive Design -	YES
(b	) Where Design Was Most Recently Used -	POPE
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a	) Production of Plans and Specifications	41
d)	) All Other Design Costs	84
	) Total	125
	) Contract	100
(е	) In-house	25
(4) C	onstruction Start	96 JAN
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ther approp		

1. COMPONENT		2. DATE
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INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

**IDAHO** 

MOUNTAIN HOME AFB (ACC)

UPGRADE STORM DRAINAGE SYSTEM

800

QYZH961000 871-183

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Mountain Home AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Mountain Home AFB does not provide storm water runoff control measures from the industrial areas of the base. There are oil/water separators discharging to the storm drainage system. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of the Snake River. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Mountain Home AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONEN	MPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
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	ME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE 5. PROJECT			
UPGRADE STO	QYZH961000		
12. SUPPLE	MENTAL DATA:		
a. Estim	ated Design Data:		
(1)	Status:		
	a) Date Design Started	94 APR 01	
(	b) Parametric Cost Estimates used to develop	costs Y	
(	c) Percent Complete as of Jan 1995	35%	
(	d) Date 35% Designed.	94 AUG 30	
(	e) Date Design Complete	95 AUG 01	
(2)	Basis:		
(	a) Standard or Definitive Design -	NO	
(	b) Where Design Was Most Recently Used -	N/A	
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(	a) Production of Plans and Specifications	40	
(	o) All Other Design Costs	100	
(	c) Total	140	
(	d) Contract	100	
(	e) In-house	40	
(4)	Construction Start	96 <b>JA</b> N	
	nt associated with this project will be provide	ed from	
other appro	priations: N/A		

1. COMPONENT				2. DA	ATE
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3. INSTALLATI	ON AND	LOCATION			
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<del> </del>		WITHIN THE UNITED STATES	5	PROJECT	NUMBER
4. PROJECT TI	TLE		٦.	FROOLCI	NOMBER
PROJECTS \$1 M	ILLION	AND UNDER			
					COST
STATE AND LO	CATION	PROJECT TITLE			(\$000)
NEVADA					
NELLIS AFE	(ACC)	UPGRADE STORM DRAINAGE SYS	STEM		600

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Installation of pollution control structures are required to divert runoff and prevent it from being contaminated. Nellis AFB does not provide adequate storm water runoff control measures from the industrial areas of the base as required by their NPDES Permit. Lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of Sloan Channel which flows into Lake Mead. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Nellis AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

RKMF961000 871-183

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1. COMPONENT	TW 1006 MTs	2. DATE
ATD FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
NELLIS AIR FO	DRCE BASE, NEVADA	
4. PROJECT TI	TLE	5. PROJECT NUMBER
UPGRADE STORM	DRAINAGE SYSTEM	RKMF961000
12. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started	94 APR 15
(b)	Parametric Cost Estimates used to develop of	costs Y
	Percent Complete as of Jan 1995 '	35%
(d)	Date 35% Designed.	94 MAY 03
(e)	Date Design Complete	95 JUL 15
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	36
	All Other Design Costs	114
	Total	150
	Contract	110
(e)	In-house	40
(4) Cor	nstruction Start	95 DEC
b. Equipment other appropri	associated with this project will be provided	d from

T	1. COMPONENT		2. DATE	
l		FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
1	AIR FORCE	(computer generated)		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE 5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

NEW MEXICO

CANNON AFB (ACC) CZOZ940022

UPGRADE STORM DRAINAGE SYSTEM

620

871-183 Upgrade storm drainage system. (Current Mission) This is a Level II

environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirements for controlling storm water runoff under 40 CFR 122.26. The Storm Water National Pollution Discharge Elimination System (NPDES) permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Cannon AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Installing pollution control structures will divert runoff and prevent it from being contaminated. Cannon AFB does not provide storm water runoff control measures from the industrial areas of the base. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. There are oil/water separators discharging underground. The lack of berms allows drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. Control of storm water runoff is essential to prevent contamination of the North and South Playa Lakes on Cannon AFB. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Cannon AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
	RCE BASE, NEW MEXICO	
4. PROJECT TI	TLE	5. PROJECT NUMBER
IIDCDADE CTODA	DRAINAGE SYSTEM	
OFGRADE STORM	DRAINAGE SISTEM	CZQZ940022
12. SUPPLEME	NTAL DATA:	
	Till Dilli.	
a. Estimat	ed Design Data:	
	<b></b>	
(1) St	atus:	
(a)	Date Design Started	94 MAR 01
(b)	Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1995	35%
(d)	Date 35% Designed.	94 JUN 16
(e)	Date Design Complete	95 JUN 30
(2) Ba	sis:	
` (a)	Standard or Definitive Design -	NO
	Where Design Was Most Recently Used -	N/A
(3) Tot	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	10
	All Other Design Costs	77
	Total	87
• •	Contract	20
(e)	In-house	67
(4) Cor	nstruction Start	95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

NORTH CAROLINA

SEYMOUR-JOHNSON AFB (ACC)

UPGRADE STORM DRAINAGE SYSTEM

830

VKAG931013 871-183

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Seymour Johnson AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Seymour Johnson AFB does not provide storm water runoff control measures from the industrial areas of the base. There are oil/water separators that are hydraulically overloaded, deteriorated, and/or not functional. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-stormwater discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of the Neuse River and Stoney Creek. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Seymour Johnson AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT	2. DATE						
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA						
AIR FORCE (computer generated)							
3. INSTALLATION AND LOCATION							
SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA							
4. PROJECT TITLE	5. PROJECT NUMBER						
	,						
UPGRADE STORM DRAINAGE SYSTEM	VKAG931013						
12. SUPPLEMENTAL DATA:	į						
a. Estimated Design Data:							
(1) Status:							
(a) Date Design Started	94 JUN 02						
(b) Parametric Cost Estimates used to develop							
(c) Percent Complete as of Jan 1995	35%						
(d) Date 35% Designed.	94 SEP 30						
(e) Date Design Complete	95 JUL 01						
(2) Basis:							
(a) Standard or Definitive Design -	NO						
(b) Where Design Was Most Recently Used -	N/A						
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)						
(a) Production of Plans and Specifications	49						
(b) All Other Design Costs	51						
(c) Total	100						
(d) Contract	80						
(e) In-house	20						
(4) Construction Start	96 <b>JA</b> N						

b. Equipment associated with this project will be provided from other appropriations: N/A

-	1. COMPONENT				2. D	ATE
		FY	1996 MILITARY CONSTRUCTION PROJECT DAT	ΓA		
_	AIR FORCE		(computer generated)			
	3. INSTALLATION	AND	LOCATION			
	VARIOUS LOCATIO	NS -	WITHIN THE UNITED STATES			
	4. PROJECT TITL	Æ		5.	PROJECT	NUMBER
	PROJECTS \$1 MIL	LION	AND UNDER	L		
			•			
						COST
	STATE AND LOCA	TION	PROJECT TITLE			(\$000)
	•					
	TEXAS					•
	BROOKS AFB (	MTC)	ADD TO AND ALTER			233

COMMUNICATIONS FACILITY

Add to and alter a communications facility. (Current Mission) A properly configured and adequately sized communications facility is required to support the Video Teleconferencing Center (VTC). The VTC provides for the real time exchange of both classified and unclassified information between HO Air Force Material Command, Human Systems Center (HSC), and other Air Force bases throughout the United States. Brooks Air Force Base constructed a VTC through the FY 1989 operations and maintenance (O&M) program to provide for the real time exchange of information with organizations across the country. The entire project was financed with O&M funds instead of a mixture of equipment and construction funds. A subsequent Air Force Audit Agency audit recommended that construction funds should have been used to construct the facility which houses the VTC equipment. The audit also determined the total construction costs to be \$233,000. Since construction costs exceed the legal limit of \$200,000, which was in effect for O&M construction at that time, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY89 O&M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

CNBC880088

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAY		2. DATE	
ATD BODOR		ın.		
AIR FORCE	(computer generated) ON AND LOCATION			
3. INSTALLATI	ON AND LOCATION			
BROOKS ATR FO	RCE BASE, TEXAS			
4. PROJECT TI		5. PRO	JECT NUMBE	ΞR
ADD TO AND AL	TER COMMUNICATIONS FACILITY	CNE	3C880088	
12. SUPPLEME	NTAL DATA:			
Potimat	ed Design Data:			
a. Estimati	ed Design Data.			
(1) St	atus:			
, ,	Date Design Started		88 AUG 2	21
	Parametric Cost Estimates used to develop of	costs		N
	Percent Complete as of Jan 1995		100	) %
	Date 35% Designed.		88 DEC 1	. 5
(e)	Date Design Complete		89 APR 3	30
(2) Ba:	sis:			
(a)			NO	
(b)	Where Design Was Most Recently Used -		N/A	
(3) Tot	tal Cost (c) = (a) + (b) or (d) + (e):		(\$00	001
	Production of Plans and Specifications			٥
, ,	All Other Design Costs			2
, ,	Total		1	.2
(d)	Contract			
(e)	In-house		1	.2
(4) Cor	nstruction Start		89 SE	P

b. Equipment associated with this project will be provided from other appropriations: N/A

	1. COMPONENT				2. DATE	
		FY 1996	MILITARY CONSTRUC	TION PROJECT DATA	4	
	AIR FORCE		(computer gene	rated)		
	3. INSTALLATI	ON AND LOCA	rion			1
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	VARIOUS LOCAT	CIONS - WITH	IN THE UNITED STAT	ES		
ĺ	4. PROJECT TI	TLE		5	PROJECT NU	MBER
						1
	PROJECTS \$1 M	ILLION AND I	JNDER			
					C	OST
i	STATE AND LO	CATION	PROJECT TI	TLE	<u>(\$</u>	000)
	TEXAS					

TEXAS

KELLY AFB (MTC) MBPB911249 131-111 COMMUNICATIONS FACILITY

353

Construct a communications facility. (Current Mission) A secure Video Teleconferencing (VTC) facility is needed to discuss classified information with representatives of Headquarters Air Force Material Command and other Air Force bases. The facility must comply with communications and electronic security requirements. The existing VTC is located on the fourth floor of the wing headquarters building. Numerous mission essential functions on this base rely heavily on the VTC to discuss and transmit defense information. However, classified information cannot be discussed in the existing VTC because utilities throughout the building emanate electronic or audio signals. The only access to the VTC is via three flights of steep and narrow stairs to the fourth floor of the wing headquarters building. These stairs make the VTC inaccessible to handicapped personnel. Also, parking lots around the headquarters building are extremely congested. These factors made it impractical to reconfigure the existing VTC, so a project for a new VTC was initially programmed in the FY91 O&M program. Design was completed and construction started; however, construction was halted when it became evident that the cost would exceed O&M construction limits set by law (\$200K at the time). Congressional approval and authorization through the MILCON process are needed so that construction can be completed. The capability to discuss and handle classified information through a VTC system will not exist at Kelly Air Force Base. Additional travel expenses will be incurred and the accomplishment of numerous mission support functions will be restricted or delayed. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONEN	1		DATE
ATD FORGE	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	CA	
AIR FORCE	(computer generated)		
J. INSTALLA	TON AND LOCATION		
KELLY AIR F	DRCE BASE, TEXAS		
4. PROJECT	TITLE	5. PROJE	CT NUMBER
COMMUNICATIO	ONS FACILITY	мврв9	11249
12. SUPPLE	MENTAL DATA:		
a. Estima	ted Design Data:		
(1)	Status:		
( (	) Date Design Started	Ç	91 MAY 05
	) Parametric Cost Estimates used to develop c	osts	N
	e) Percent Complete as of Jan 1995		100%
((	) Date 35% Designed.	_	)1 JUN 01
(6	e) Date Design Complete	ģ	91 JUL 09
(2) I	asis:		
( (	) Standard or Definitive Design -		ИО
(1	) Where Design Was Most Recently Used -		N/A
(3)	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	) Production of Plans and Specifications		16
( h	) All Other Design Costs		4
( c	) Total		20
( d	) Contract		
(€	) In-house		20
(4) C	onstruction Start		91 SEP
	t associated with this project will be provided riations: N/A	d from	
Times approp	114010110. N/ N		

1. COMPONENT				2. DATE
	FY	1996 MILITARY CONSTRUCTION PROJECT DAT	ΓA	
AIR FORCE		(computer generated)		
3. INSTALLATI	ON AND	LOCATION		
VARIOUS LOCAT	rions -	WITHIN THE UNITED STATES		
4. PROJECT TI	TLE		5.	PROJECT NUMBER
PROJECTS \$1 M	AILLION	AND UNDER		
				COST
STATE AND LO	CATION	PROJECT TITLE		(\$000)
VIRGINIA				

LANGLEY AFB (ACC) MUHJ910440B

ALTER AIR COMBAT COMMAND HEADQUARTERS FACILITY

263

610-284

Alter an Air Combat Command Headquarters facility. (Current Mission) Provide a safe, dry, structurally stable and asbestos free facility for the support of Headquarters staff offices and functions. Include provisions for proper fire egress, low maintenance exterior finishes, adequate building and grounds run-off, and improved insect and fungi prevention measures. In addition, ensure that all improvements are in accordance with National Historic Preservation Act regulations. This project was executed in the FY91 operation and maintenance (O&M) program to eliminate numerous deficiencies. A subsequent audit by the Air Force Audit Agency stated that construction funds should have been used to alter this facility. Since construction costs exceeded the amount of \$200,000, which was the legal limit in effect for O&M construction at that time, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY91 O&M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT  FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION	2. DATE
AIR FORCE (computer generated)	,
3. INSTALLATION AND LOCATION	
LANGLEY AIR FORCE BASE, VIRGINIA	
	. PROJECT NUMBER
4. 1.00001 11100	. I ROUBET WOMBER
ALTER AIR COMBAT COMMAND HEADQUARTERS FACILITY	MUHJ910440B
12. SUPPLEMENTAL DATA:	
12. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	• • • • • • •
(a) Date Design Started	91 JAN 30
(b) Parametric Cost Estimates used to develop co	
(c) Percent Complete as of Jan 1995	100%
<pre>(d) Date 35% Designed. (e) Date Design Complete</pre>	91 MAR 20
(e) Date Design Complete .	91 JUL 03
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	15
(b) All Other Design Costs	12
(c) Total	27
(d) Contract	
(e) In-house	27
(4) Construction Start	91 DEC
b. Equipment associated with this project will be provided	from
other appropriations: N/A	

	1. COMPONENT				2. DATE	
		FY	1996 MILITARY CONSTRUCTION PROJECT DAT	'A		
	AIR FORCE		(computer generated)			
	3. INSTALLATI	ON AND	LOCATION			
	VARIOUS LOCAT	IONS -	WITHIN THE UNITED STATES			
	4. PROJECT TI	TLE		5. PRO	OJECT NUMBE	R
_	PROJECTS \$1 M	ILLION	AND UNDER			
					COST	
	STATE AND LO	CATION	PROJECT TITLE		(\$000	2
	i .					

VIRGINIA

LANGLEY AFB (ACC) MUHJ953006

UPGRADE STORM DRAINAGE SYSTEM

1000

871-183

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Langley AFB will be required to certify that no non-storm water discharges are connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Langley AFB does not provide storm water runoff control measures from the industrial areas of the base, as required by the storm water NPDES permit. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of Back River, Hampton Roads and the Chesapeake Bay. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Langley AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
	ORCE BASE, VIRGINIA	TE
4. PROJECT TI	TLE	5. PROJECT NUMBER
HDCDADE CTODA	DRAINAGE SYSTEM	MUHJ953006
OFGRADE STORM	DRAINAGE SISIEM	1 1000 933000
12. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started	94 MAY 14
(þ)	Parametric Cost Estimates used to develop	costs Y
(c)	Percent Complete as of Jan 1995	35%
	Date 35% Designed.	94 SEP 15
(e)	Date Design Complete	95 SEP 20
(2) Ba:	sis:	
	Standard or Definitive Design -	NO
	Where Design Was Most Recently Used -	N/A
(3) m-4		4000
	cal Cost (c) = (a) + (b) or (d) + (e):  Production of Plans and Specifications	(\$000 60
	All Other Design Costs	40
	Total	100
• •	Contract	66
• • •	In-house	34
(4) Cor	struction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	

VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES

4. PROJECT TITLE 5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

PROJECT TITLE (\$000)

FEDERAL REPUBLIC OF GERMANY

COUNTRY AND LOCATION

SPANGDAHLEM AB (AFE) SOUND SUPPRESSOR FOUNDATION 600
VYHK946009
211-183

Construct a sound suppressor foundation (T-9). (New Mission) This project is required to support the increased engine test requirements due to the relocation of F-15 aircraft from closing Bitburg AB. An adequate sound suppression facility for engine testing is required to effectively and safely perform power checks on aircraft engines after their repair. suppression is required for these tests to allow full power checks with minimum annoyance to base population and the surrounding civilian communities. The T-9 sound suppressor is used for power checks on engines after they are removed from the aircraft. (A T-11 sound suppressor, requested in a separate project, is used for power checks on engines attached to the aircraft.) The base has a capacity to perform a maximum of 55 engine runs per month. Its assigned aircraft (F-16, F-15 and A-10), when all are on station, will generate a requirement to perform 70 runs per month. To meet this increased workload, the only acceptable work around will be to transport the delta (15 engines per month) to Ramstein AB for testing. At a cost of \$2,000 per engine for truck transport, and an initial start-up cost of approximately \$690,000 for the Ramstein facilities, this work around will total about \$1 million in the first year. Installation of the T-9 sound suppressor, and the companion T-11 sound suppressor proposed in another project, will cost a total of \$1.55 million. The cost avoidance of using the off-site facilities will pay back the cost of these two projects in about 18 months. The on-site testing capability will also preclude the requirement to transport engines (costing about \$4 million each) over land, on poor roads and often in poor weather conditions. Aircraft cannot be maintained and the Wing's flying mission and sortie rate will decrease to unacceptable levels. The operational requirement to perform 70 engine runs per month on base will not be possible. The only acceptable work around (off-base testing) will be initiated greatly impacting command funding. This project is partially NATO eligible. This project is programmed in the NATO Capability Package, however, the Capability Package is not yet approved. Current estimates predict a 50 percent NATO construction cost share but the estimated US cost share exceeds the O&M minor construction statuatory limit. Additionally, NATO funding will not be received in time to avoid a severe mission impact. A precautionary prefinancing statement was submitted to NATO to allow recoupment of US funds. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. There is no criteria/scope for this

FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES	
4. PROJECT TITLE 5. PROJECT NUM	BER
PROJECTS \$1 MILLION AND UNDER	

COST

#### COUNTRY AND LOCATION

#### PROJECT TITLE

(\$000)

project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT				
		TARY CONSTRUCTION		2. DATE
AIR FORCE	ON AND LOCATION	computer generated	1)	
J. INDIALLAII	ON AND LOCATION			
	IR BASE, GERMANY			
4. PROJECT TI	TLE		5. I	PROJECT NUMBER
SOUND SUPPRES	SOR FOUNDATION		,	/ҮНК946009
12. SUPPLEME	NTAL DATA:			
a. Estimat	ed Design Data:		•	
(1) St	atus:			
(a)	Date Design St	arted		94 FEB 21
(þ)	Parametric Cos	t Estimates used t	o develop costs	Y
	=	te as of Jan 1995	:	100%
	Date 35% Design			94 MAR 10
(e)	Date Design Com	mplete		94 NOV 05
(2) Ba				
		finitive Design -		NO
(p)	Where Design Wa	as Most Recently U	sed -	N/A
(3) To:	tal Cost (c) = (a	a) + (b) or (d) +	(e):	(\$000)
		Plans and Specific	ations	30
	All Other Design	gn Costs		60
(c)				90
· · ·	Contract			50
(e)	In-house			40
(4) Cor	nstruction Start			95 <b>NOV</b>
b. Equipment other appropri	associated with iations:	this project will	be provided fr	om
			FISCAL YEAR	
EQUI	I PMENT	PROCURING	APPROPRIATED	COST
	NCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
r-9 sound supp	PESSOR	2000	-	
1-9 SOUND SUPE	PRESSOR	3080	1996	1550
				į
		•		

•	1. COMPONENT				-	2. Di	ATE
		FY 1996 MILITA	RY CONSTRUCTION P	ROJECT DAT	ΑΊ		
	AIR FORCE	(00	mputer generated)				
	3. INSTALLATI	ION AND LOCATION					
	VARIOUS LOCAT	TIONS - OUTSIDE THE	UNITED STATES				
i	4. PROJECT TI	TLE			5.	PROJECT	NUMBER
İ							
	PROJECTS \$1 M	MILLION AND UNDER					
							,
ļ							COST
I	COUNTRY AND	LOCATION	PROJECT TITLE				(\$000)
	FEDERAL REPU	JBLIC OF GERMANY					
I							
ı	SPANGDAHLE	EM AB (AFE)	SOUND SUPPRESSOR	FOUNDATIO	N		950

Construct a sound suppressor foundation (T-11). (New Mission) This project is required to support the increased engine test requirements due to the relocation of F-15 aircraft from the closure of Bitburg AB. An adequate sound suppression facility for engine testing is required to effectively and safely perform power checks on aircraft engines after their repair. The T-ll sound suppressor is used for checks performed with the engines installed on the airframe. Sound suppression is required for these tests to allow full power checks with minimum annoyance to base population and the surrounding civilian communities. (The T-9 sound suppressor, requested in a separate project, is used for power checks on engines after they are removed from the aircraft.) The base has a capacity to perform a maximum of 55 engine runs per month. Its assigned aircraft (F-16, F-15 and A-10), when all are on station, will generate a requirement to perform 70 runs per month. To meet this increased workload, the only acceptable work around will be to transport the delta (15 engines per month) to Ramstein AB for testing. At a cost of \$2,000 per engine for truck transport, and an initial start-up cost of approximately \$690,000 for the Ramstein facilities, this work around will total about \$1 million in the first year. Installation of the T-11 sound suppressor, and the companion T-9 sound suppressor proposed in another project, will cost a total of \$1.55 million. The cost avoidance of using the off-site facilities will pay back the cost of these two projects in about 18 months. The on-site testing capability will also preclude the requirement to transport engines (costing about \$4 million each) over land, on poor roads and often in poor weather conditions. Aircraft cannot be maintained and the Wing's flying mission and sortie rate will decrease to unacceptable levels. operational requirement to perform 70 engine runs per month on base will not be possible. The only acceptable work around (off-base testing) will be initiated greatly impacting command funding. This project is partially NATO eligible. This project is programmed in the NATO Capability package, however, the capability package is not yet approved. Current estimates predict a 54 percent NATO construction cost share but the estimated total US share exceeds the O&M minor construction statuatory limit. Additionally, NATO funding will not be received in time to avoid a severe mission impact. A precautionary prefinancing statement was submitted to NATO to allow recoupment of US funds. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. There is no criteria/scope for this

VYHK946011 211-183

1. COMPONENT							2. D	ATE
	FY	1996	MILITARY	CONSTRUCTIO	N PROJECT	DATA		
AIR FORCE			(comp	uter generat	ed)			
3. INSTALLAT	ION AND	LOCAT	TION					
VARIOUS LOCAT	rions -	OUTS	DE THE U	NITED STATES				
4. PROJECT TI	TLE					5.	PROJECT	NUMBER
PROJECTS \$1 N	AILLION	AND U	JNDER		<del></del>			
								COST
COUNTRY AND	TOCAMIC	NAT.	ומ	מותדת תסמוסם				/ C000 \

COUNTRY AND LOCATION

PROJECT TITLE

(\$000)

project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1 COMPONENT	T			Ia
1. COMPONENT		ITARY CONSTRUCTION	DD0.1805 5151	2. DATE
AIR FORCE	1	(computer generate		
	ION AND LOCATION		<u> </u>	
	AIR BASE, GERMAN	Υ		
4. PROJECT T	ITLE	,	5.	PROJECT NUMBER
SOUND SUPPRE	SSOR FOUNDATION			VYHK946011
12. SUPPLEM	ENTAL DATA:			
a. Estima	ted Design Data:			
(1) St	catus:			
, ,	) Date Design St	arted		94 FEB 01
		st Estimates used t	to develop costs	
		te as of Jan 1995		100%
(d)	Date 35% Design	ned.		94 MAR 01
(e)	Date Design Co	omplete		94 NOV 01
(2) Ba	asis:			
(a)	Standard or De	finitive Design -		NO
(b)	Where Design W	as Most Recently (	Jsed -	N/A
(3) To	otal Cost (c) = (	a) + (b) or (d) +	(e):	(\$000)
(a)	Production of	Plans and Specific	cations	30
	All Other Desi	gn Costs		60
	Total			90
• •	Contract			50
(e)	In-house			40
(4) Co	nstruction Start			95 NOV
o. Equipment				
other appropr	iations:	this project will	be provided fr	Om
			FISCAL YEAR	
EQU:	IPMENT	PROCURING	APPROPRIATED	COST
NOME	NCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
OUND SUPPRES	SOR	3080	1996	3342
				i

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	

VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

COUNTRY AND LOCATION

PROJECT TITLE

SHOP

(\$000)

FEDERAL REPUBLIC OF GERMANY

SPANGDAHLEM AB (AFE)

ADD TO MISSILE MAINTENANCE

930

VYHK946839

212-213

Add to Missile Maintenance Shop. (New Mission) An adequate facility is required to inspect, maintain, and repair the five missile types assigned. The addition of two new missile types to the Spangdahlem arsenal resulted from the beddown of F-15 aircraft from Bitburg AB. Due to the safety requirements associated with working on numerous and different weapons systems, coupled with the additional workload resulting from the increased missile inventory at the base, the existing facility requires the addition of one maintenance bay. The existing maintenance facility was barely able to support the missile maintenance workload at Spangdahlem which had only three types of missiles. The addition of the F-15 aircraft and its two new missile types has caused a severe overload, and missile maintenance at acceptable production and safety levels is not possible. The operation required 24 hour per day, seven days per week shift work to meet the workload for three missile types in an acceptably safe manner. The space available in the existing structure makes it impossible to work on more than one missile type at a time, resulting in labor intensive work arounds to satisfy safety requirements associated with keeping these weapons systems properly segregated. No other work arounds are available that will allow the existing facility to safely support the workload that has resulted from the addition of two new missile types. The availability and reliability of missiles will continue to degrade, thereby increasing the risk of a catastrophic accident. Without this addition, the risks to which personnel are exposed will remain unacceptable. The missile maintenance function will not be able to support the base mission. All known alternative options were considered during the development of this project. No other option could meet the mission requirements. project is partially NATO eligible. This project is programmed in the NATO Capability Package, however, the Capability Package is not yet approved. Current estimates predict a 53 percent NATO construction cost share but the estimated total US cost share exceeds the O&M minor construction statuatory limit. A prefinancing statement was issued. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT	TV 1006 WT TOTAL		2. DATE
AID FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra	
AIR FORCE	(computer generated)		
3. INSTALLATIO	ON AND LOCATION		
	IR FORCE, GERMANY		
4. PROJECT TIT	TLE	5. PRO	JECT NUMBER
ADD TO MISSILE	MAINTENANCE SHOP	VYH	IK946839
12. SUPPLEMEN	ITAL DATA:		
a. Estimate	ed Design Data:		
(1) Sta	itus:		
(a)	Date Design Started		94 FEB 01
(b)	Parametric Cost Estimates used to develop c	osts	Y
(c)	Percent Complete as of Jan 1995 '		30%
(d)	Date 35% Designed.		94 MAR 10
(e)	Date Design Complete		94 JUL 20
. (2) Bas	is:		
(a)	Standard or Definitive Design -		NO
	Where Design Was Most Recently Used -		N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	Production of Plans and Specifications		8
(b)	All Other Design Costs		2
, , ,	Total		10
(d)	Contract		10
(e)	In-house		
(4) Cons	struction Start		95 NOV
Paris !			
<ul> <li>Equipment a ther appropria</li> </ul>	associated with this project will be provided ations: N/A	d from	

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES

4. PROJECT TITLE 5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

COUNTRY AND LOCATION

PROJECT TITLE

(\$000)

ITALY

AVIANO AB (AFE) ASHE983004 141-489 SQUADRON OPERATIONS FACILITY

950

141-489 .

Construct a squadron operations facility. (New Mission) This facility is required to accommodate the move of the 603d Air Control Squadron (ACS) from Sembach AB, Germany to Aviano AB, Italy. Space is required for squadron management, mission planning, briefing/debriefing, training, mobility operations, and logistics functions. The 603 ACS move from Sembach AB, Germany to Aviano AB, Italy was completed in July 1994. The squadron occupied existing facilities to the maximum extent possible at Aviano, but available space is 6000 SF short of the total required. The shortfall has been satisfied by acquiring temporary facilities, but a permanent structure must be provided as soon as possible to allow the 603 ACS to complete its beddown and resume efficient operations. The base was unable to provide permanent foundations or provide plumbing for the temporary facilities, forcing personnel to use temporary rest rooms. There are no other permanent facilities available on or off base to accommodate these functions. The 603 ACS will not be able to adequately and efficiently meet its mission requirements. It will continue to use temporary facilities, degrading its efficiency and impacting the morale of its personnel. All known alternative options were considered during the development of this project. No other option could meet the mission requirements. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event criteria change for these type of facilities. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

Ta composition		0 2200
1. COMPONE	FY 1996 MILITARY CONSTRUCTION PROJECT DA	2. DATE
AIR FORCE	(computer generated)	TA
	ATION AND LOCATION	
J. INSTALL	ATION AND LOCATION	
AVIANO AIR	BASE, ITALY	
4. PROJECT	TITLE	5. PROJECT NUMBER
SQUADRON O	PERATIONS FACILITY	ASHE983004
<del></del>		
12. SUPPLE	CMENTAL DATA:	
a. Estir	nated Design Data:	
(1)	Status:	
	a) Date Design Started	94 JUN 17
	b) Parametric Cost Estimates used to develop of	costs Y
	c) Percent Complete as of Jan 1995 '	30%
(	d) Date 35% Designed.	95 FEB 10
(	e) Date Design Complete	95 MAY 01
(2)	Basis:	
` '	a) Standard or Definitive Design -	NO
	b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	a) Production of Plans and Specifications	30
	b) All Other Design Costs	95
	c) Total	125
	d) Contract	95
	e) In-house	30
(4)	Construction Start	95 NOV
( • /		35 NOV
b. Equipme	nt associated with this project will be provide	ed from
	priations: N/A	
- <del>-</del>	•	

#### FY 1996 NARRATIVE SUMMARY

This Military Family Housing request supports the policy that excellent housing facilities be provided for all military members and their families and that continual improvement in quality is the measure of excellence. We depend first on the local community to meet our housing needs. When local community housing is not available, military family housing will meet contemporary community living standards. Our housing inventory is operated and maintained at a standard that protects from deterioration, and maintains the quality level established by previous Congressional appropriations. Our goal is to provide quality homes that meet contemporary whole-house standards.

Family housing is one of the most important quality of life issues in the Air Force. Improving or replacing our aging housing inventory is our top facility priority. Our military members and their families expect and deserve homes which meet current standards of livability. In the era of downsizing, we cannot afford to lose highly trained Air Force members because adequate housing on or near our military installations is not available. Also, we cannot afford to let our existing military family housing inventory deteriorate, or fail to modernize it to reduce operating costs.

This budget provides a balanced program between construction, operations, maintenance, and leasing. Construction projects will replace worn-out and substandard homes in areas which violate airfield clearance and noise exposure criteria. We continue to propose projects to provide new support facilities at installations with the greatest need. The total construction funding level indicates the Air Force's commitment to replace or revitalize our existing inventory to meet contemporary standards. We are concentrating on our oldest homes and replacing or improving as economic analysis indicates.

The operations, maintenance, and leasing accounts predominately support "must pay" requirements such as civilian pay, service contracts, lease contracts, utilities, and required maintenance to keep existing housing units from further deteriorating. The maintenance account also supports our goal to arrest the deferred maintenance and repair (DMAR) growth as much as possible within our fiscal constraints.

Also, the furnishings account provides for required government furniture overseas and initial issue of appliances to support new housing throughout the Air Force.

We believe this funding profile represents a well balanced program to achieve quality of life goals for military families within the fiscal constraints imposed. We respectfully request full and complete support for the Air Force family housing needs presented in this request.

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February 1995

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#### FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1996 (\$ in Thousands):

# FUNDING PROGRAM FY 1996

Construction Post-Acquisition Construction Design and Advance Planning		\$154,955 85,059 <u>8,989</u>
Appropriation Request: Construction		\$249,003
Operations, Utilities and Maintenance Operating Expenses Utilities Maintenance	127,009 197,539 408,971	\$733,519
Leasing - Worldwide		\$115,665
Debt Payment Debt Reduction Interest Payments Servicemen's Mortgage Insurance Premiums	0 0 29	29
SUBTOTAL		29
Appropriation Request: O&M Leas and Debt Payment	ing,	\$849,213
Appropriation Request		\$1,098,216
Reimbursement Program		<u>\$13,151</u>
FY 1996 Family Housing Program		\$1,111,367

#### Authorization Language

#### SEC. 2302. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may construct or acquire family housing units (including land acquisition) at the installations, for the purposes, and in the amounts set forth in the following table:

STATE	INSTALLATION	PURPOSE	AMOUNT
Alaska	Elmendorf AFB	Housing Office and Maintenance Facility	\$ 3,000,000
Arizona	Davis-Monthan AFB	80 Units	\$ 9,498,000
Arkansas	Little Rock AFB	1 Unit	\$ 210,000
California	Beale AFB	Housing Office	\$ 842,000
	Edwards AFB	67 Units	\$ 11,350,000
	Vandenberg AFB	143 Units	\$20,200,000
	Vandenberg AFB	Housing Office	\$ 900,000
Colorado	Peterson AFB	Housing Office	\$ 570,000
District of Columbia	Bolling AFB	32 Units	\$ 4,100,000
Florida	Eglin AFB	Housing Office	\$ 500,000
	Eglin Aux Field 9 (Hurlburt Field)	Housing Office and Maintenance Facility	\$ 880,000

STATE	INSTALLATION	<u>PURPOSE</u>	AMOUNT
Florida (cont'd)	MacDill AFB	Housing Office	\$ 646,000
	Patrick AFB	70 Units	\$ 7,947,000
	Tyndall AFB	52 Units	\$ 5,500,000
Georgia	Moody AFB	3 Units	\$ 513,000
Idaho	Mountain Home AFB	Housing Office	\$ 844,000
Kansas	McConnell AFB	39 Units	\$ 5,193,000
Louisana	Barksdale AFB	62 Units	\$10,299,000
Mississippi	Keesler AFB	98 Units	\$ 9,300,000
Missouri	Whiteman AFB	72 Units	\$ 9,948,000
Nevada	Nellis AFB	6 Units	\$ 1,357,000
New Mexico	Holloman AFB	1 Unit	\$ 225,000
	Kirtland AFB	105 Units	\$11,000,000
North Carolina	Pope AFB	104 Units	\$ 9,984,000
	Seymour Johnson AFB	1 Unit	\$ 204,000
South Carolina	Shaw AFB	Housing Maintenance Facility	\$ 715,000
Texas	Dyess AFB	Housing Maintenance Facility	\$ 580,000
	Lackland AFB	67 Units	\$ 6,200,000
	Sheppard AFB	Housing Office	\$ 500,000

STATE	INSTALLATION	PURPOSE	AMOUNT
	Sheppard AFB	Housing Maintenance Facility	\$ 600,000
Washington	McChord AFB	50 Units	\$ 9,504,000
Guam	Andersen AFB	Housing Office	\$ 1,700,000
Turkey	Incirlik AFB	150 Units	\$ 10,146,000

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed \$8,989,000.

#### SEC. 2303. IMPROVEMENT TO MILITARY FAMILY HOUSING UNITS

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed \$85,059,000.

#### SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE

#### (a) IN GENERAL

- (5) for Military Family Housing functions -
  - (A) For construction and acquisition of military family housing and facilities, \$249,003,000.
  - (B) For support of military family housing (including functions described in section 2833 of title 10, United States Code), \$849,213,000 of which not more than \$115,665,000 may be obligated or expended for leasing of military units worldwide.

## Appropriation Language

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operations and maintenance, including debt payment, leasing, minor construction, and insurance premiums, as authorized by law as follows: for [FY95] and FY96 Construction, [\$277,444,000] \$249,003,000, for Operations and Maintenance, and Debt Payment[\$824,845,000] \$849,213,000; in all [\$1,102,289,000] \$1,098,216,000: Provided: That the amount for construction shall remain available until September 30, [1999] 2000.

	FISCAL YEAR
Force	f dollars)
A11 F	Ö
Construction.	Thousands
Cons	E
Family Housing	Financing (in
Family	Program and

			Budget F HOUSING		for FAMILY ramed)	
dantifi	Idantification code		1994 actual	1995 8	st. 1996 est.	1997 est.
01.0201 01.0301	Program by activitias: Direct program: Post Acquisition C	ram by activities: rect program: Post Acquisition Construction Planning and design				
1016.10	Total dir	Total direct program	8 8 8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	
10.0001	Total					
F. 0001						
21.4002	5	Unobligated balance available, start of year: For completion of prior year budget plans Reprograming from/to prior year budget plans	EE1-			
25.0001		Unobligated balance expiring	99-			
1000 06	Budget	Budost suthority				

	!			Obligations		
nt 1 f 1 c	Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
01.0201 01.0301	program by activities. Direct program: Post Acquisition Co	rem by activities: Tect program: Post Acquisition Construction Pisoning and design	2,593			
1016.10	Total dir	Total direct program	3,044			
10.0001	Total		3,044			; ; ; ; ; ; ; ;
17.0001		inancing: Recovery of prior year obligations	-159			
4002	ร	obligated balance available, start of year: For completion of prior year budget plans	-3,018			
21.4009	5	Reprograming from/to prior year budget plans Unobligated balance expiring	133	1		
39.0001	Budget	Budget euthority			1	

Family Housing Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1991	Budget Plan (amounts for FAMILY HOUSING actions programed)	
DO L		

			HOUSING	HOUSING actions programed)	amed)	
Identific	Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	19 <b>97 eet</b> .
4	Program by activities:	1<1<1<1<1<1<1<1<1<1<1<1<1<1<1<1<1<1<1<1<	• • • • • • • • • • • • • • • • • • •	! ! ! ! ! ! !	! ! ! ! ! !	! ! ! !
	Direct program:	8:				
01.0101	Construct	Construction of new housing				
01.0201	Post Acqui	Post Acquisition Construction				
01.0301	Planning and design	nd destan				
01.9101	Total dire	Total direct program				
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
10.0001	Total					
ii.	Financing:					
17.0001	Recovery of	17.0001 Recovery of prior year obligations				
21,4002	For comple	For completion of prior year budget plans				
21.4009	Reprogrami	Reprograming from/to prior year budget plans	1-951			
22.0001	Unobilgated		196			
24.4002	For comple	ition of prior year budget plans	-			
39,0001	Budget &	Budget authority				

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991
Obligations

dentific	Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
. ď	Propres by sctivities: Direct propres:					
01.0101	Construct	Construction of new housing	107	1.929 4.949		
01.0301	Planning and design	nd destan	2,038			
01.9101	Total dire	Total direct program	8,765	6.878		
10.0001	Total		8,765	6.878	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
F1		Recovery of prior year obligations	-2,842			
21.4002	For compl	For completion of prior year budget plans	-13,752	-6,878		
21,4009	Reprogram	Reprograming from/to prior year budget plans oblicated balance transferred to other accounts	951			
24.4002	Unobligated For compl	Unobligated balance available, end of year: For completion of prior year budget plans	6,878			
1000 06	# # # # # # # # # # # # # # # # # # #	Sudost suthority		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	# 

		Budget	Budget Plan (amounta for FAMILY HOUSING actions programed)	for FAMILY amed)	
Identifi	Identification code 57-7040-0-1-051	1994 sctus1	1995 est.	1996 est.	1997 est.
- d	program by activities: Direct organism				
01.0101	Construction of new housing Post Acquisition Construction Planning and design				
1016.10	Total direct program				
10.0001	Total				
17.0001	Financing: Recovery of prior year obligations				
21.4002	For completion of prior year budget plans	•			
21,4003	Available to finance new budget plans	16,400			
21,4009	Reprograming from/to prior year budget plans	200.21			
22.0001	Unobligated balance transferred to other accounts Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans				
40.0001	Budget authority (Appropriation rescinded) (	-6,400			

Family Housing Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1992

snt 1f10	Identification code 57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est
01.0101	Program by activities: Direct program: Construction of new housing Post Acquisition Construction	1,698	1,303	1,459	
01.0301	Planning and design	577	300		
1016.10	Total direct program	21,081	7,163	19,947	
10.0001	Total	21,081	7,163	19,947	1 1 1 1 1 1 1 1
.0001	Financing: 17.0001 Recovery of prior year obligations	-10,374			
21.4002	Unobilgated dalance available, start of year. For completion of prior year budget plans Available to finance new budget plans	-39,885 -6,400	-27,110	-19,947	
21.4009	Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts	ts 2,068			
24.4002	Unobilgated balance svalisbie, end of yest: For completion of prior year budget plans	27,110	19,947		1
40.0001	Budget authority (Appro	priation rescinded) (			

		Budget P HOUSING	Budget Plan (amounts for HOUSING actions programed)	for FAMILY	
Identific	Identification code 57-7040-0-1-051	1994 sctus1	1995 est.	1996 est.	1997 est.
01.0101 01.0201 01.0301	Program by activities: Direct program: Construction of new housing Post Acquisition Construction Planning and design	-			
1016.10	Total direct program				
10.0001	Total				
7.0001 21.4002 21.4003 21.4009 22.0001	Recovery of prior year obligations Recovery of prior year obligations Unobligated balance available, start of year: Unobligated balance available, start of year: For completion of prior year budget plans Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts Unobligated balance available, end of year:	-48,702 -10,000 10,000	-		1
24.4002		-48,702			

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1993
Obligations

Identification code		57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Propres by activities: Direct propres:			0	7 7 2 8	
	Construction of new housing Post Acquisition Construction	ew housing Construction	44,179	10,463	1,395	
01.0301 Pl	Planning and design	ro.	1 1 1 1	1	1 1 1 1 1 1 1 1 1 1	
O1.9101	Total direct program	Eac	68.924	24.021	7,206	
			1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 40	7 206	
10.0001 To	Total		*76.80	170 . 12		
Financing:	ing: very of prior y		-2,435			
21.4002 Fc	iligated balance ir completion of	Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans	-111,489	-35,000	-10,979	
5	programing from	Reprograming from/to prior year budget plans obligated balance transferred to other accounts	10,000			
	oligated balance or completion of	Unobligated balance available, end of year: For completion of prior year budget plans	35,000	10,979	3,773	
40.0001 Bud	set authority (	Budoet authority (Appropriation rescinded) (	-48,702			ı

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1994

Cat Dong					
900		1994 actual	actus! 1995 est. 1996 est.	1996 est.	1997 est.
•	Program by activities: Diract program:				
	Construction of new housing post Acquisition Construction	102,064 75,070 11,901			
1050.10	Total direct bronches	189,035			
				† ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	
10.0001	Total	189,035			
Fina Un 21.4002 22.0001 Un	Financing: Unobligated balance available, start of year: Unobligated balance transferred to other accounts Unobligated balance transferred to other accounts Unobligated balance available, end of year: For rompletion of prior year budget plans	-2.000			
Ġ		187,035	 		 

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1994
Obligations

lent if ic.	Identification code 57-70	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
7 d	Program by activities:					
01.0101	Construction of new housing	ew housing	57,872	31,197	5,645	
01.0201	Post Acquisition Construction	Construction	59,128	10,524	1,190	
01.0301	Planting and design	CO				
1016.10	Total direct program	Est	121,623	42,911	11,342	
10.0001	Total		121,623	42,911	11,342	
Ĺ	Financing: Unobligated balance available, start	socailable, start of year:		-67 412	-24.501	
21,4002	For completion o Unobligated balanc	For completion of prior year budget plans Unobligated balance transferred to other accounts	-2,000			
24,4002	Unobligated balanc For completion o	Unobligated balance available, end of year: For completion of prior year budget plans	67,412		13,159	
40 0001	Budget suthority (Appropriation)	400r00r1 <b>4</b> t10n)	187,035	 		

Program by activities:  Direct program:					# D. PAKILY	! ! ! ! ! !
w housing construction 1995 est. 1994 actual 1995 est. 1			SNISOOH	actions progr	(pemer	
Program by activities:  Direct program:  Construction of new housing  Construction of new housing  Post Acquisition Construction  Planning and design  Total direct program  Reimburaable Program  Reimburaable Program  Total  Financing:  Offsetting collections from:  Unobligated balance available, start of year:  Por completion of prior year budget plans  Por completion of prior year budget plans  Por completion of prior year budget plans  277,444	entifi		1994 actual	1995 est.	1996 est.	1997 est.
Construction of new housing construction post Acquisition Construction of new housing for the post Acquisition Construction planning and design blanning and design construction constructi		rogram by activities:				
Fortal direct program  Total direct program  Reimbursable Program  Total	.0101	Construction of new housing		206.399		
Reimbursable Program  Reimbursable Program  Total  Total  Financing: Offsetting collections from: Federal funds(-) Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans  Rudget authority (Appropriation)	.0301	Planning and design		9,275		
Total  Financing:  Offsetting collections from: Federal funds(-) Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans For completion of prior year budget plans For completion of prior year budget plans For completion of prior year budget plans	.9101	Total direct program		277.444		
Total  inancing:  Offsetting collections from:  Federal funds(-)  Unobligated balance available, start of year:  For completion of prior year budget plans  For completion of prior year:  For completion of prior year:  For completion of prior year budget plans  For completion of prior year budget plans  For completion of prior year budget plans	1010			110		
Financing:  Offsetting collections from:  Federal funds(-)  Unobligated balance available, start of year:  For completion of prior year budget plans  For completion of prior year budget plans  For completion of prior year budget plans  For completion of prior year budget plans  Audost authority (Appropriation)			1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	277 554	1 1 1 1 1 1 1	
Offsetting collections from:    Offsetting collections from:   Federal funds(-)	.000	Total				
For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans Audost authority (Appropriation)	1000.	ng collections from:    funds(-)  ted balance available, start of		-110		
For completion of prior year budget plans  Audicet authority (Appropriation)	.4002	For completion of prior year budget plans				
Budget muthority (Appropriation)	.4002	For completion of prior year budget plans	1		-	
	1000	Budget authority (Appropriation)		277,444		

1			Obligations		
tific	Identification code 57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
01.0101	Program by activities: Direct program: Construction of new housing Post Acquisition Construction		119.864 28.414 4.267	47,459 21,002 928	
1050.10	Total direct program		152,545	69,389	
03.0101	Reimbursable Program	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	110		
10.000.01	Total		152,655	69,389	
IL.	Financing: Offsetting collactions from:		-110		
11.0001	Faderal funds(-) Unobligated balance available, start of year:			-124,899	
21.4002	For complation of prior year budgat press Unobligated balance available, end of year:		124,899	55,510	
24.4002	For completion of prior year budget plans		277.444		
1000	p.dost enthority (Appropriation)				

		Budget P HOUSING	Budget Plan (amounts for FAMILY HOUSING actions programed)	for FAMILY amed)	
dent 1 f 1	Identification code 57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
	Program by sctivities: Direct program:			154 955	
01.0101	Construction of new housing Post Acquisition Construction			85,059 8 989	
01.0301	Planning and design	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
01.9101	Total direct program			249,003	
03.0101	Reimbursable Program		1 1 1 1 1	260	
10.0001	Total			249,263	
11.00011	Financing: Offsetting collections from: Federal funds(-)			-260	
21.4002	Unobligated balance available. For completion of prior year budget pl Unobligated balance evellable, end of ye For completion of prior year budget pl				
				249,003	

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1996
Obligations

Identification code 57-7040-0-1-051	1994 actual	1995 est.	1996 ast.	1997 est.
Direct program:			92.084	
01.0101 Construction of new housing			40 616	
_			4 135	
01.0301 Planning and design	1 1 1 1 1 1 1 1		7 1	
01.9101 Total direct program			136,835	
			260	
03.0101 Reimbursable Program	1 1 1 1 1 1 1			
10.0001 Total			137,095	
Offsetting collections from:			090	
11.0001 Federal funds(-)			201	
21.4002 For completion of prior year budget plans				
ວັ	-		112,168	
an opportunity (Appropriation)			249,003	

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY

		Budget Plan (amo HOUSING actions	Budget Plan (amounta for HOUSING actions programed	for FAMILY amed)	
Identific	Identification code 57-7040-0-1-051	1994 sectual	1995 est.	1996 est.	1997 mst.
01.0101 01.0201	Program by activities: Direct program: Construction of new housing Post Acquisition Construction	102,064 75,070 11,901	206,399 61,770 9,275	154,955 85,059 8,989	
1030110	Total direct propras	189,035	277,444	249,003	
03.0101	Reimbursable Program		110	260	
10.0001	Total	189,035	277,554	249,263	
11.0001 17.0001	Financing: Offsetting collections from: Federal funds(-) Recovery of prior year obligations Unobligated balance available, start of year:		-110	-260	
21.4002 21.4003 21.4009 22.0001	For completion of prior year budget plans Available to finance new budget plans Reprograming from/to prior year budge Unobligated balance transferred to other	-55,102 -13,152 11,019			
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans Unobligated balance expiring	133			
40.0001		131,933	277,444	249,003	
71.0001 72.4001 74.4001 77.0001	Relation of obligations to outlays: Obligations incurred Obligated balance, start of year Obligated balance, end of year Adjustments in expired accounts (net) Adjustments in unexpired accounts				
90.0001	Outlays (net)				

Program and Financing (in Thousands of dollars) SUMMARY

Identification code 57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Program by activities: Direct program: 01.0101 Construction of new housing 01.0201 Post Acquisition Construction	81,300 131,326 10,811	167,292 59,910 6,316	152,383 86,008 6,328	
01.0301 Francisty and design	223,437	233,518	244,719	
8			260	
	223,437	233,628	244,979	
Financing: Offsetting collections from: 11.0001 Federal funds(-)	-15,810	011-	-260	
Unobligated balance available, start of y For completion of prior year budget pla Available to finance new budget plens	-168,144 -55,102	-136,400	-180,326	
21.4009 Reprograming from/to prior year budget plans 23.4009 Reprograming from/to prior year budget plans 23.4009 Reprograming from to prior accounts	11,019			
	136,400	180,326	184,610	
40.0001 Budget authority (Appropriation)	131,933	277,444	249,003	!
Relation of obligations to outlays: 71,0001 Obligations incurred 72,4001 Obligated balance, start of year 74,4001 Obligated balance, end of year 77,0001 Adjustments in expired accounts (net)	223,437 334,057 -270,945 -10,321	233,518 270,945 -305,771	244,719 305,771 -344,394	
	260,417	198,692	206,096	

Family Housing Construction, Air Force Object Classification (in Thousands of dollars) SUMMARY

Identification code 57-7040-0-1-051	1994 actual	1995 est.	1995 est. 1996 est. 1997 est.	1997 est.
Direct obligations:	223,437 233,518 244,719	233,518	244,719	
199.001 Total Direct obligations	223,437	233,518	244,719	
Reimbursable obligations: 232.001 Land and structures		011	260	
299.001 Total Reimbursable obligations		110	260	
999.901 Total obligations	223,437	233,628	244,979	

Family Housing Operations & Debt, AF Program and Financing (in Thousands of dollars)

ant 1 f 10	Identification Code 57-7045-0-1-051	1994 actual	1995 est.	1996 est.	1997 est
4	Program by activities: Direct program: Oneration expenses	301,740	304,918	324,548 115,665	
02.0201	Leasing Maintenance of real property Maintenance or real property	392,287	407,144	408,971	i
02.0501	Total direct program	796,221	824.845	849,213	
03.0101	Reimbursable Program	10,422 	13,331	862,364	ı
10.000.01	Total obligations				
11.0001 14.0001 22.0001	Financing:  Offsetting collections from:  Federal funds(-)  Non-Federal sources(-)  Unobligated balance transferred from other accounts (-)	-1,160 -9,262 -14,712 9,403	-3,707 -9,624	-3,714	ı
25.0001	Unobligated balance explining	790,912	824,845	849,213	
04	1 2	796, 221	824,845	849,213	
71.0001		-291 446,880	375,351	407,780	
72.4001 74.1001 74.4001	Obligated balance, stalt of year Receivables from other government accts, EOV Obligated balance, end of year	264 -375,351 -21,600	-407,780	-431,512	1
77.0001		846,123	792,152	825,481	1

Family Mousing Operations & Debt, AF Object Classification (in Thousands of dollars)

Identification coda 5/-/	57-7045-0-1-051	1994 actual	1995 ast.	1996 est.	1997 est.
Diract obilgations:					
121,001 Traval and transpo	Traval and transportation of parsons	1.035	1.021	1 041	
122,001 Transportation of things	things	164	164	170	
123.201 Rantal payments to others	others	77.826	74.182	104.693	
	Other services with the private sector				
125.203 Contracts with t	Contracts with the private sactor	113.129	114.390	112.088	
125.204 Other charges wi	th the private sector	556.337	581,230	575,332	
Purchases goods/se	Punchases moods/services (inter/intra) med socounts				
125,302 Payments to fore	•	2	2	~	
126.001 Supplies and materials		29,381	34.880	36.288	
31.001 Equipment		14,794	15.264	15,792	
132,001 Land and structuras	•	3,553	3,692	3,807	
199,001 Total Diract obligations	ations	796,221	824,845	849,213	
Raimbursable obligations: Other services with the	imbursable obligations: Other services with the private sector				
225,204 Other charges wi	Other charges with the privata sector	10,422	13,331	13,151	
299.001 Total Reimbursable obligations	obligations	10,422	13,331	13,151	
999.901 Total obligations		806.643	838.176	862.364	
		1			

# NEW/CURRENT MISSION ACTIVITIES

In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, the Air Force has included the following exhibit that displays construction projects requested in two separate categories: new mission and current mission. "New Mission" projects are projects that support deployment and beddown of new weapon systems, new program initiatives, and major mission expansions. "Current mission" projects are projects that either replace inadequate existing facilities or construct new facilities which are not available to meet current requirements.

#### NEW CONSTRUCTION

LOCATION	MISSION_	NUMBER OF <u>UNITS</u>	REQUESTED AUTHORIZATION AMOUNT (\$000)
1001111111			
Whiteman AFB MO	New	72	9,948
Pope AFB NC	New	104	9,984
REPLACEMENT HOUSING			0.400
Davis Monthan AFB AZ	Current	80	9,498
Little Rock AFB AR	Current	1	210
Edwards AFB CA	Current	67	11,350
Vandenberg AFB CA	Current	143	20,200
Bolling AFB DC	Current	32	4,100
Patrick AFB FL	Current	70	7,947
Tyndall AFB FL	Current	52	5,500
Moody AFB GA	Current	3	513
McConnell AFB KS	Current	39	5,193
Barksdale AFB LA	Current	62	10,299
Keesler AFB MS	Current	98	9,300
Nellis AFB NV	Current	6	1,357
Holloman AFB NM	Current	1	225
Kirtland AFB NM	Current	105	11,000
Seymour Johnson AFB NO		1	204
Lackland AFB TX	Current	67	6,200
McChord AFB WA	Current	50	9,504
Incirlik AB	Current	150	10,146
TUCTITIK WD	04110110		

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### SUPPORT FACILITIES

Elmendorf AFB AK	Current HSG Offc & Mnt Fac	3,000
Beale AFB CA	Current HSG Offc	842
Vandenberg AFB CA		900
Peterson AFB CO	Current HSG Offc	570
Eglin AFB FL	Current HSG Offc	500
Eglin Aux Fld9 FL	Current HSG Offc	880
ngiin nan 1145 12	& Mnt Fac	
MacDill AFB FL	Current HSG Offc	646
Mountain Home AFB ID	Current HSG Offc	844
Shaw AFB SC	Current HSG Maint	715
	Facility	
Dyess AFB TX	Current HSG Maint	580
57655 111 5 111	Facility	
Sheppard AFB TX	Current HSG Offc	500
Sheppard AFB TX	Current HSG Maint	600
Diioppara iii 2	Facility	
Andersen AFB GU	Current HSG Offc	1,700
middle in the co		
NEW MISSION TTL		19,932
CURRENT MISSION TOTAL		135,023
IMPROVEMENTS		85,059
PLANNING AND DESIGN		8,989

### NEW CONSTRUCTION

<u>Program (In Thousands)</u>
FY 1996 Program \$154,955
FY 1995 Program \$206,399

#### Purpose and Scope

This program provides for the construction of new homes where the local community cannot provide adequate housing and replacement of existing homes, where improvements are not economically feasible for Air Force personnel, and support facilities where existing facilities are inadequate. Cost reflect all amounts necessary to provide complete and usable facilities.

#### Program Summary

Authorization is requested for:

Construction of 176 new units, replacement of 1,027 units and 13 support facilities.

A summary of the funding program for FY 1996 is as follows:

LOCATIONS NEW HOUSING	MISSION	NUMBER OF UNITS	REQUESTED AUTHORIZATION AMOUNT (\$000)
Whiteman AFB MO	New	72	9,948
Pope AFB NC	New	104	9,984
REPLACEMENT HOUSING	3		
D-Monthan AFB AZ	Current	80	9,498
Little Rock AFB AR	Current	1	210
Edwards AFB CA	Current	67	11,350
Vandenberg AFB CA	Current	143	20,200
Bolling AFB DC	Current	32	4,100
Patrick AFB FL	Current	70	7,947
Tyndall AFB FL	Current	52	5,500
Moody AFB GA	Current	3	513
McConnell AFB KS	Current	39	5,193
Barksdale AFB LA	Current	62	10,299
Keesler AFB MS	Current		9,300
Nellis AFB NV	Current	6	1,357
Holloman AFB NM	Current	1	225
Kirtland AFB NM	Current	105	11,000
Seymour-J AFB SC	Current	1	204
Lackland AFB TX	Current	67	6,200
McChord AFB WA	Current	50	9,504
Incirlik AB TK	Current	<b>1</b> 50	10,146

Current	•	3,000
& Maint	Facility	
Current		842
Current	Hsg Office	900
Current	Hsg Office	570
Current		500
Current	Hsg Office	880
	& Maint Fac	
Current		646
Current	<b>3</b>	844
Current	<b>-</b>	715
Current		580
Current		500
Current		600
Current	Hsg Office	1,700
		19,932
al		135,023
		85,059
		8,989
		249,003
	& Maint Current Current Current Current Current Current Current Current Current Current Current Current	& Maint Facility Current Hsg Office Current Hsg Office Current Hsg Office Current Hsg Office Current Hsg Office & Maint Fac Current Hsg Office Current Hsg Office Current Hsg Office Current Hsg Maint Fac Current Hsg Maint Fac Current Hsg Maint Fac Current Hsg Office Current Hsg Office Current Hsg Office Current Hsg Maint Fac Current Hsg Office Current Hsg Office

1. COMPONENT			2. DATE
	Y 1996 MILITARY CO	NSTRUCTION PROJECT I	DATA
AIR FORCE	(compute	r generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT T	TLE
		HOUSING MANAC	SEMENT/MAINTENANCE
ELMENDORF AIR FORCE	E BASE, ALASKA	FACILITY	
5. PROGRAM ELEMENT		7. PROJECT NUMBER   8	B. PROJECT COST(\$000)
	i i		
08.87.41	610-119	FXSB963018	3,000
	9. COST	ESTIMATES	

9. COST ESTIMATE	·			
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT/MAINTENANCE FACILITY	SF	13,800	160	2,208
SUPPORTING FACILITIES			1	501
UTILITIES	LS			( 110)
PAVEMENTS	LS			( 110)
SITE IMPROVEMENTS	LS	]		( 48)
COMMUNICATIONS	LS			( 55)
ENVIRONMENTAL	LS			( <u>178</u> )
SUBTOTAL	-			2,709
CONTINGENCY (5%)				<u>135</u>
TOTAL CONTRACT COST	1			2,844
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<u> 156</u>
TOTAL REQUEST	1			3,000
		ļ <b>!</b>		
		]		ļ
	1	]		
		ļ ļ		
		!		
AREA COST FACTOR 1.73	1			

10. Description of Proposed Construction: Reinforced concrete structure, concrete slab foundation and roofing system. Facility includes space for housing management and maintenance functions. Includes utilities, fire suppression system, prewiring for workstations, parking, site improvements and environmental compliance.

REQUIREMENT: 13,800 SF ADEQUATE: 0 SUBSTANDARD: 14,419 SF PROJECT: Housing Management and Maintenance Facility. (Current Mission). REQUIREMENT: An adequate facility is required for managing base owned and operated family housing assets and for assisting all arriving personnel in finding on/off-base housing. The facility will contain all management functions including administration, operation, inspection, counseling and referrals. It must be located for convenient access by arriving personnel and other customers. It must be accessible by disabled/special needs personnel. Play areas will provide a safe, secure, and attractive environment for children of customers. A housing maintenance facility is required to provide for the care and repair of family housing units owned or under control of the Air Force. The facility will contain workshops, office, supply/storage, and self help services. A larger facility is required because of the long winter season and the remoteness of Alaska which increases the storage space requirements. Typical design criteria is provided in the AF MFH Support Facilities Design Guide which suggests 11,500 SF, but provides flexibility for more space where needed. CURRENT SITUATION: Housing management is currently located in a WWII, condition code 3, wooden building which is expensive to heat and requires an excessive amount of maintenance. This office is one of the first stop that incoming personnel come in contact with. The facility does not leave a good first impression of the base. The maintenance facility which the

1. COMPONENT	. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
( make a manage od)	1
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	ļ
ELMENDORF AIR FORCE BASE, ALASKA	
4. PROJECT TITLE 5. PROJE	ECT NUMBER
1. 1.00201 11102	
HOUSING MANAGEMENT/MAINTENANCE FACILITY FXSBS	963018

maintenance contractor was located in burnt down on 16 April 1994. As an interim measure, the contractor is operating out of an old indoor firing range which has been committed for disposal. The facility is inadequate in size to properly operate an efficient and effective maintenance operation.

IMPACT IF NOT PROVIDED: The Air Force will continue to spend an excessive amount on utilities and maintenance on a facility which has outlived its usefull life. The housing maintenance function will continue to occupy a facility which is committed for disposal and inadequate for the maintenance contractor's use. Housing management and customer service personnel will continue to work in an inadequate facility which degrades the level of performance and service they are capable of providing.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project meets the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, renovate existing facilities and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

1. COMPONENT						12	DAT	E.
· •	1996 MILITARY CO	ייפייטווריי	יד אר די	POGE	ZM	<b></b>	. DAI	<b>-</b>
				ROGN	Tan.	-		
AIR FORCE	(computer o						705	A CONST
3. INSTALLATION AND LO		4. COM	MAMD			5		!
DAVIS-MONTHAN AIR FOR	CE BASE,	 		G 0 1 5		ļ		r INDEX
ARIZONA		AIR CO		<del></del>			0.	96
6. PERSONNEL	PERMANENT	<u> </u>	DENTS			ORTE	<del>- +</del>	
STRENGTH	OFF ENL CIV	OFF	ENL	CIV		ENL	CIV	TOTAL
a. As of 30 SEP 94	831 4813 1440		ļ		10		400	7,534
b. End FY 2000	875 4987 1278	<del> </del>			10	40	400	7,590
	7. INVENTORY	DATA (	\$000)					
a. Total Acreage: (	10,615)							
b. Inventory Total As	Of: (30 SEP 94)					28	31,21	7
c. Authorization Not	Yet In Inventory:					=	13,75	0
d. Authorization Requ	ested In This Pro	gram:					9,49	8
e. Authorization Incl			ım: (	FY 1	.997)			0
f. Planned In Next For								o j
g. Remaining Deficien	<u> </u>							o j
h. Grand Total:	•					30	04,46	5
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 19	96					
CATEGORY					COST	DES	SIGN	STATUS
	ECT TITLE	sc	OPE		(\$000)	S	TART	CMPL
						_		
  711-142 REPLACE MILI	TARY FAMILY		80	UN	9,498	TUI	RN KE	Y j
HOUSING (PH					•			i
		T	OTAL :	: ~	9,498	•		j
9a. Future Projects:	Included in the	Follow	ving F	rogr	am (FY	199	7) NO	NE

9a. Future Projects: Included in the Following Program (FY 1997) NONE

9b. Future Projects: Typical Planned Next Four Years:

10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA 10 aircrews, one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense detachment (F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration Center.

3. INSTALLATION AND LOCATION | 4. PROJECT TITLE | REPLACE MILITARY FAMILY DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | HOUSING (PHASE 3)

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

8.87.41 711-142 FBNV950011 9,498

9. COST ESTIMATE	:S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE MILITARY FAMILY HOUSING (PH 3)	UN	80	71,280	5,702
SUPPORTING FACILITIES		[		2,872   ( 127)
MISCELLANEOUS SUPPORT	LS	<u> </u>		( 163)
SITE PREPARATION	LS	ļ	 	( 302)
ROADS AND PAVING	LS		 	( 326)
UTILITIES	LS	]		( 163)
LANDSCAPING AND NEIGHBORHOOD IMPROVMNT	LS	! ! !		( 144)
RECREATION	LS	; ;	 	( 903)
GARAGES AND STORAGE DEMOLITION (82 UN, INCL ASBESTOS/LBP)	LS	i		( <u>745</u> )
·	i	į		8,574
SUBTOTAL  CONTINGENCY (5%)		İ		429
TOTAL CONTRACT COST	ĺ	j l		9,003
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	Ì		•	495
TOTAL REQUEST				9,498
		ļ	1	
AREA COST FACTOR .96			l	

| 10. Description of Proposed Construction: Replace 80 housing units. | Includes demolition of 82 units, replacement/upgrade of utility systems | and roads, and design/construction of new single/duplex housing units. | Provides normal amenities, to include appliances, parking, air conditioning, garages, patios, privacy fencing, playgrounds and recreation areas. | Includes asbestos and lead-based paint removal and solar considerations.

UNIT TYPE JNCO 3BR JNCO 4BR	NET AREA 1200 1350	PROJECT FACTOR . 96 . 96	\$/ NSF 60 60	NO. UNITS 60 20 80	TOTAL COST 4,147,200 1,555,200 5,702,400
-----------------------------	-----------------------------	-----------------------------------	------------------------	--------------------------------	---

11. REQUIREMENT: 3,168 UN ADEQUATE: 2,021 UN SUBSTANDARD: 1,105 UN | PROJECT: Replace Military Family Housing (Phase 3). (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents stationed at | Davis-Monthan AFB. All units will meet "whole house" standards and are | programmed in accordance with Phase "A" of the Housing Community Plan. | Replacement housing will provide a safe, comfortable, and appealing living | environment comparable to the off-base civilian community. This is the | third of multiple phases to provide adequate housing for base personnel. | Of the units to be replaced in this multi-phase initiative, 134 are | completed or included in prior programs. The replacement housing will | provide a modern kitchen, living room, family room, and bath | configuration, with ample interior and exterior storage and garages. The basic neighborhood support infrastructure will be upgraded to meet modern

Page No

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	r data	
AIR FORCE	(computer generated)		
3. INSTALLAT	ON AND LOCATION		
İ			
DAVIS-MONTHAL	N AIR FORCE BASE, ARIZONA		
4. PROJECT T	ITLE	5. I	PROJECT NUMBER
  REDIACE MILT	TARY FAMILY HOUSING (PHASE 3)	I	FBNV950011
1.22 22 1122			

housing needs. 82 units are to be replaced with 80 with units in order to provide a less dense housing area and make room for community recreational and landscaped areas.

CURRENT SITUATION: This project replaces appropriated housing units which were constructed in 1975. These poorly/cheaply constructed units are deteriorating rapidly. While these are the newest units on base, they are in the worst condition because of the poor quality construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is inadequate. There are no patios for outside living or entertaining. Some units fall short of authorized living space.

IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in upgraded units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses for the base shows a projected deficit of 40 units, thus adequate or affordable off-base housing is unavailable and not an option for military families. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost efficient over the life of the project. Improvement costs represent 76% of the replacement costs. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. This project will be executed as a Request For Proposal. This project demolishes 82 housing units and constructs 80 to permit a reduction of density.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996		REPORT CO DD-A&L(AR	NTROL SYN	BOL
3. DOO COMPONENT AIR FORCE 4. REPORTING INS a. NAME 5. OATA AS OF OAVIS	MONTHAN AIR FORCE BASE			b. LDCATI	ON TUSCON, ARI	ZONA		
31 JANUARY 1992						PROJEC	TED	
ANALYSIS OF REQUIREMENTS ANO ASSETS	OFFICER (a)	URRENT E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	516	2,998	894	4,408	730	3,224	865	4,819
7. PERMANENT PARTY PERSONNEL	516	2,998	894	4,408	730	3,224	865	4,81
8. GROSS FAMILY HOUSING REQUIREMENTS	365	2,199	275	2,839	529	2,372	267	3,168
9. TOTAL UNACCEPTABLY HOUSEO (a + b + c	7	92	31	130				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO 8E DISPOSED/REPLACED	0	0_	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNI	TY 7	92	31	130				
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	(
11. EFFECTIVE HOUSING REQUIREMENTS	365	2,199	275	2,839	529	2,372	267	3,16
12. HOUSING ASSETS (a + b)	368	2,152	255	2,775	541	2,339	248	3,12
a. UNDER MILITARY CONTROL	133	1,106	0	1,239	132	1,107	0	1,23
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	133	1,106	0_	1,239	132	1,107	0	1,23
(2) UNDER CONTRACT/APPROVED					0	0	0	
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0			1	
b. PRIVATE HOUSING	235	1,046	255	1,536	409	1,232	248	1,88
(1) ACCEPTABLY HOUSED	225	1,001	244	1,470				
(2) ACCEPTABLE VACANT RENTAL	10	45	11	66				
13. EFFECTIVE HDUSING OFFICIT	(3)	47	20	64	(12)	33	19	4
14. PROPDSED PROJECT					0	80	0	e

15. REMARKS

				10 00	
1. COMPONENT				2. DAT	E
FY	1996 MILITARY CO		RAM		
AIR FORCE	(computer o				
3. INSTALLATION AND LO	CATION	4. COMMAND		!	A CONST
				!	T INDEX
LITTLE ROCK AIR FORCE	BASE, ARKANSAS	AIR COMBAT COM	MAND	0.	80
6. PERSONNEL	PERMANENT	STUDENTS	SUPPO	RTED	
STRENGTH	OFF ENL CIV	OFF ENL CIV	OFF E	NT   CIA	TOTAL
a. As of 30 SEP 94	665 3675 642		1	17  50	5,050
b. End FY 2000	704 3601 532		1	17 50	4,905
	7. INVENTORY	DATA (\$000)			
a. Total Acreage: (	7,210)				
b. Inventory Total As	Of: (30 SEP 94)			191,68	1
c. Authorization Not				8,05	0
d. Authorization Requ		gram:		21	0
e. Authorization Incl			1997)		0
f. Planned In Next For					0
g. Remaining Deficien					0
h. Grand Total:	•			199,94	1
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 1996			
CATEGORY			COST	DESIGN	STATUS
	ECT TITLE	SCOPE	(\$000)	START	CMPL
711-142 REPLACE GENE	RAL OFFICER	1. UN	210	TURN KE	Y
HOUSING					
		TOTAL:	210		
9a. Future Projects:	Included in the	Following Prog	ram (FY	1997) NO	NE
		Nort Four Year			

9b. Future Projects: Typical Planned Next Four Years:

<sup>10.</sup> Mission or Major Functions: An airlift wing with four C-130 squadrons, one of which conducts C-130 training for all DoD components and foreign countries; an Air National Guard airlift group with one C-130 squadron; and the USAF Combat Aerial Delivery School.

1 COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
FY 1996 MILITARY CONSTRUCTION PROJECT DATA  AIR FORCE (computer generated)  3. INSTALLATION AND LOCATION   4. PROJECT TITLE  REPLACE GENERAL OFFICER  LITTLE ROCK AIR FORCE BASE, ARKANSAS   HOUSING  5. PROGRAM ELEMENT   6. CATEGORY CODE   7. PROJECT NUMBER   8. PROJECT COST (	
13 INSTALLATION AND LOCATION 4. PROJECT TITLE	
	FFICER
THE ROCK AIR FORCE BASE/ TERESCOPE	
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PRO	OJECT COST(\$000)
8.87.41 711-142 NKAK964002	210

9. COST ESTIMATE	S			
		1	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE GENERAL OFFICER HOUSING	UN	1	121,968	122
SUPPORTING FACILITIES	j .	j l		68
SITE PREPARATION	LS	İ	.	( 6)
	Ls	j	i	( 11)
ROADS AND PAVING	LS	j	i i	· ( 15)
UTILITIES	Ls	İ		( 14)
LANDSCAPING	LS	i	j j	( 9)
GARAGE	LS	Ì	j i	( 12)
DEMOLITION AND ASBESTOS/LBP REMOVAL			i	190
SUBTOTAL	i	1	i	10
CONTINGENCY (5%)		İ		200
TOTAL CONTRACT COST	!	İ	i	11
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	!	! 	' 	210
TOTAL REQUEST	! !	! 	! 	i ————————————————————————————————————
			[ [	 
		 	! 	! 
	1	1	! 	! 
		 		! 
AREA COST FACTOR .80		ition and	man] a gar	ment of

10. Description of Proposed Construction: Demolition and replacement of one general officer housing unit. Includes sitework, utility systems, parking, walkways, landscaping, and two-car garage. Provides normal amenities to include appliances, air conditioning, exterior entertainment area and patio, and privacy fencing. Includes asbestos and lead-based paint removal.

UNIT TYPE         AREA           GOQ 4BR         2310	PROJECT	\$/	NO.	TOTAL COST
	FACTOR	<u>NSF</u>	UNITS	121,968
	.88		1	121,968

REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN 11. PROJECT: Replace one General Officer Housing unit. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for the Installation Commander at Little Rock AFB. The unit will meet "whole house" standards and will be appropriate for the living and entertainment responsibilities of the Commander. The replacement house will provide a modern kitchen, living room, dining room, family room, and bath configuration with ample interior and exterior storage and a two-car garage. Exterior parking will be provided for guests and an official vehicle. Both interior and exterior living areas will be designed to provide adequate entertainment space. The house will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. Neighborhood enhancements include landscaping of common areas. CURRENT SITUATION: The housing unit currently used as a General Officers

			2. DATE
1	1. COMPONENT	מייית	Z. DAID
i	FY 1996 MILITARY CONSTRUCTION PROJECT	DAIA	ì
	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION		
	TOP OF DAGE ADVANCAS		
	LITTLE ROCK AIR FORCE BASE, ARKANSAS		PROJECT NUMBER
	4. PROJECT TITLE	5.	PROJECT NOMBER
		ļ	
	OFFICER HOUSING	ļ	NKAK964002
	REPLACE GENERAL OFFICER HOUSING		

Quarters (GOQ) was built in the mid-1950s for senior officer housing. house does not meet GOQ space requirements, and is totally inadequate for the position and entertainment responsibilities of the Installation Commander. The kitchen configuration creates a circulation problem. Three of the four bedrooms and their closets are undersize. Bathrooms have outdated ceramic tile floors, wainscot, and vanity cabinets. Dining area is undersize. Heat pumps, water heater, and plumbing fixtures are at the end of their useful life. The garbage disposal is in poor condition. Below slab sanitary lines have deteriorated and need to be replaced. Bathroom receptacles lack ground-fault circuit interupters, unit wiring lacks ground conductor and does not meet codes. The flat carport roof is leaking, causing the plywood deck to rot. Paint on wood fascias is peeling. Windows are energy inefficient and require replacement. Net square footage will be increased to authorized amount. IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support its most senior leader. The condition of the house will reflect poorly to the many dignitaries entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. The housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. The cost to improve the existing house represents 81% of the replacement cost. (An FY95 Improvement project for this house was determined to be inappropriate and too costly as additional structural deficiencies were identified during the planning and design process.)

177

MILITARY FAMILY HOUSIN	NG JUSTIFICATION	1. DATE OF REPORT			2. FISCAL 1996		REPORT CO DD-A&L(AF	ONTROL SYN R)1716	ABOL		
3. OOD COMPONENT	4. REPORTING INSTA				<u></u>						
AIR FORCE 5. OATA AS OF	a. NAME	OCK AIR FORCE BASE			b. LOCATION  JACKSONVILLE, AR						
31 JANUARY 1992	Veie	7	URRENT		1		PROJEC	TED			
1	)F	OFFICER	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)		
REQUIREMENTS		(a)	(0)	107	10,						
6. TOTAL PERSONNEL ST		908	3,596	916	5,420	774	3,478	878	5,130		
7. PERMANENT PARTY P	ERSONNEL	908	3,596	916	5,420	774	3,478	878	5,130		
8. GROSS FAMILY HOUSE	NG REQUIREMENTS	718	3,135	360	4,213	594	2,964	344	3,902		
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)	40	511	123	674						
a. INVOLUNTARILY	SEPARATEO	15	51	2	68						
b. IN MILITARY HO DISPOSEO/REPL		0	0	0	0						
	HOUSED IN COMMUNITY	25	460	121	606						
10. VOLUNTARY SEPARA	TIONS	11	104	22	137	9	100	21	130		
11. EFFECTIVE HOUSING	REQUIREMENTS	718	3,135	360	4,213	585	2,864	323	3,772		
12. HOUSING ASSETS (a	+ b)	686	2,5 <b>7</b> 1	225	3,482	562	2, <b>42</b> 4	190	3,176		
a. UNOER MILITAR	Y CONTROL	212	1,323	0	1,535	212	1,323	0	1,535		
(1) HOUSEO IN OWNED/CO		212	1,323	0	1,535	212	1,323	0	1,535		
(2) UNOER CON	ITRACT/APPROVEO					0	0	0	0		
(3) VACANT		0	0	0	0						
(4) INACTIVE		0	0	0	0				*		
b. PRIVATE HOUSI	NG	474	1,248	225	1,947	350	1,101	190	1,641		
(1) ACCEPTABL	Y HOUSED	455	1,197	215	1,867						
(2) ACCEPTABL	E VACANT RENTAL	19	51	10	80						
13. EFFECTIVE HOUSING	OEFICIT	32	564	135	731	23	440	133	596		
14. PROPOSEO PROJECT						1			_1		
•											

15. REMARKS

DD FORM 1523, NOV 90

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE BEALE AIR FORCE BASE, CALIFORNIA 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | 610-119 BAEY879003P2 842 8.87.41 COST ESTIMATES

9. COST ESTIMATES				
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT FACILITY	SF	5,000	110	550
SUPPORTING FACILITIES	1			210
SEWER & WATER	LS		1	( 42)
PAVEMENTS	LS			( 80)
LANDSCAPING	LS			( 40)
SYSTEMS FURNITURE	Ls		İ	( <u>48</u> )
SUBTOTAL		1 1	ļ	760
CONTINGENCY (5%)	1	[	ļ	_38
TOTAL CONTRACT COST	1	]		798
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	ļ			44
TOTAL REQUEST	ļ	[		842
		[ ]		
	ļ	! !		
	ļ	! !		
	ļ	!!!		
	ļ		1	
	1	!		
AREA COST FACTOR 1.24				

| 10. Description of Proposed Construction: All site preparation, drainage | improvements, slab on grade, splitface concrete masonry walls, sloped | standing seam metal roof, and decorative interior finishings. Project | provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play | lareas. Includes all utilities, parking, and landscaping. | Air Conditioning: 15 Tons.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SUBSTANDARD: 2,486 SF PROJECT: Construct Housing Management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

| CURRENT SITUATION: The housing management office provides a vital service | to accompanied and unaccompanied military members and manages 1,708 family | housing units, 176 mobile home spaces, and 805 enlisted dormitory spaces.

Page No

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PR	ROJECT DATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
BEALE AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER

CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE

The current office provides provides 1,920 SF of space for seven employees. This is less than 40% of the required space, and falls far short of providing minimum customer support. It is located five miles from the housing area it serves. Facility space limitations have forced four housing inspectors to locate in a separate facility 1/2 mile from the main office. The dispersed nature of personnel and housing functions complicates and delays operations and reduces effectiveness of personnel and programs. The office does not have a conference room to conduct training or meetings, nor is there a lounge area for customer use. No interior or exterior play areas are provided. The waiting area is extremely cramped and noisy due to computer printers which share the same space. The office has no private area for counseling. Restrooms are located in another part of the building which is assigned to totally different (non-housing) functions, and can only be accessed by traversing congested work areas. Customer parking is extremely limited, and is shared with the Services Squadron, Accounting and Finance, Civilian Personnel, Transportation Management, and an Airman Dining Hall. The result is a crowded parking area with little space for housing customers to park or maneuver moving trucks or vehicles with trailers. Existing housing management space will revert to Transportation and Services functions which currently occupy the majority of space in the existing facility.

IMPACT IF NOT PROVIDED: Thousands of customers will continue to be served in a facility which is less than half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get the first "introduction" to their new location in a cramped, deteriorated and unprofessional working environment. Customer service will be substandard, and employee and customer morale will suffer due to the poor service environment.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

BAEY879003P2

			2 DAME	
	1. COMPONENT 2. DATE			
FY 1996 MILITARY CO		LAM I		
AIR FORCE (computer	generated)			
3. INSTALLATION AND LOCATION	3. INSTALLATION AND LOCATION 4. COMMAND		5. AREA CONST	
	AIR FORCE		COST INDEX	
EDWARDS AIR FORCE BASE, CALIFORNIA	DWARDS AIR FORCE BASE, CALIFORNIA MATERIEL COMMAND		1.38	
6. PERSONNEL PERMANENT	STUDENTS	SUPPORT	ED	
STRENGTH OFF ENL CIV	OFF ENL CIV			
a. As of 30 SEP 94   671   3754   3493		27 5	51 862  8,858	
b. End FY 2000   650   3384   3264		27 5	<u> </u>	
	DATA (\$000)			
a. Total Acreage: ( 301,928)				
b. Inventory Total As Of: (30 SEP 94)			711,233	
c. Authorization Not Yet In Inventory: 44,650				
d. Authorization Requested In This Program: 11,350				
e. Authorization Included In Following Program: (FY 1997) 9,413				
f. Planned In Next Four Program Years:				
g. Remaining Deficiency:				
h. Grand Total:			776,646	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996				
CATEGORY		COST I	DESIGN STATUS	
CODE PROJECT TITLE	SCOPE	(\$000)	START CMPL	
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
  711-142 REPLACE FAMILY HOUSING	67 UN	11,350	TURN KEY	
/II-I42 REFINCE TRAILET MOODEN.	TOTAL:	11,350		
9a. Future Projects: Included in the Following Program (FY 1997)				
711-142 REPLACE FAMILY HOUSING,	60 UN		TURN KEY	
PHASE 1		V		
I FIRM I	TOTAL:	9,413		
9b. Future Projects: Typical Planned Next Four Years:				
5B. Future Flojects. Typical Planted New Tolk Dept. Control for				

| 10. Mission or Major Functions: Air Force Flight Test Center for | Research and Development which is responsible for flight test activities | for all USAF aircraft and related avionics, flight control, and weapons | systems; a test wing; an air base wing; Air Force Test Pilot School; and | Astronautics Directorate of Phillips Laboratory. Also, a landing site for

the space shuttle.

1. COMPONENT			2. DATE	
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT DATA	Į į	
AIR FORCE	(compute	er generated)		
3. INSTALLATION AND	D LOCATION	4. PROJECT TITLE		
EDWARDS AIR FORCE BASE, CALIFORNIA REPLACE FAMILY HOUSING				
5. PROGRAM ELEMENT   6. CATEGORY CODE   7. PROJECT NUMBER   8. PROJECT COST (\$000)				
į –				
0 07 41	711-142	FSPM944506	11,350	

9. COST ESTIMATES				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	67	102,511	6,868
SUPPORTING FACILITIES				3,378
SITE PREPARATION	LS			( 346)
ROADS AND PAVING	LS			( 290)
UTILITIES	LS			( 1,938)
LANDSCAPING	LS			( 103)
RECREATION	LS		[	( 202)
DEMOLITION AND ENVIRONMENTAL	LS	1		(498)
SUBTOTAL	1	1		10,246
CONTINGENCY (5%)		1		512
TOTAL CONTRACT COST		1		10,758
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		[		592
TOTAL REQUEST	1	1		11,350
		1		
		1		
		1		
		ļ		
AREA COST FACTOR 1.38		1	<u> </u>	

Description of Proposed Construction: Replace 67 Wherry JNCO units. Construct housing units with gable roofs, road/sidewalks, driveway, attached single car garage, and exterior wooden storage shed. Install evaporative coolers. Includes electrical, mechanical, structural, and architectural work. Provide irrigation system in common areas. Remove asbestos from existing units.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.38	60	10	786,600
JNCO 3BR	1200	1.38	60	34	3,378,240
JNCO 4BR	1350	1.38	60	15	1,676,700
JNCO 5BR	1550	1.38	60	8	1,026,720
	<del></del>		<u>—</u>	67	6,868,260

REQUIREMENT: 2,411 UN ADEQUATE: 944 UN SUBSTANDARD: PROJECT: Replace 67 Wherry Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide quality of life improvements and energy efficient housing units to the existing area to enhance standards of livability for the residents. All units will meet "whole house" standards and are programmed in accordance with Phase 1 of the Housing Community Plan. Irrigation systems in common are required to provide a usable and aesthetic environment for the neighborhood. Replacement of housing will provide a safe, comfortable living environment comparable to the off-base civilian community. CURRENT SITUATION: These family housing units were originally built in the 1950's. They have not received any major renovations since that time

Page No

8.87.41

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PRO	OJECT DATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
EDWARDS AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
DEDLAGE EAMTLY HOUSING	   FSPM944506

period. The two bedroom units are more than 120 Net Square Feet under the

authorized net floor area. The three bedroom units lack entry foyers and The harsh environment has taken its have at least one undersized bedroom. toll and the units have deteriorated beyond economical repair. Asbestos-containing building materials contribute significantly to the extremely high repair cost. The exteriors of these facilities have deteriorated to the point that all wooden surfaces need to be replaced. Plumbing and electrical systems are in such poor repair that constant maintenance is required to maintain operability. This housing area is very congested and presents a traffic flow safety hazard when cars park on the streets because the units lack driveways and garages. IMPACT IF NOT PROVIDED: The harsh desert environment will continue to take its toll on these old and deteriorated units. Asbestos will continue to limit maintainability, and future repair costs will be exorbitant due toenvironmental abatement requirements. Exterior surfaces will continue to deteriorate and huge maintenance costs will be incurred. Mechanical and electrical systems will fail, adding to the already heavy workload and high cost to maintain. The units will continue to be occupied until they become uninhabitable because adequate, affordable housing is not available. The current Housing Market Analysis shows a projected family housing deficit of 24 units. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING J	USTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	DD-A&L(AR	NTROL SYN	BOL
3. DOD COMPONENT AIR FORCE	ALLATION	b. LOCATION							
5. DATA AS OF	EDWARD	S AIR FORCE BASE				ARCASTEN	CALIFORNIA		
1993 ANALYSIS			URRENT				PROJEC		
OF REQUIREMENTS AN		OFFICER	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STREM		876	3,666	620	6,062	766	3,196	666	4,517
7. PERMANENT PARTY PERS	ONNEL	876	3,666	620	6,062	766	3,196	666	4,517
B. GROSS FAMILY HOUSING	REQUIREMENTS	654	2,905	176	3,753	669	2,606	160	3,226
9. TOTAL UNACCEPTABLY H	OUSED (a + b + c)	92	421	46	669				
a. INVOLUNTARILY SE	PARATED	1	9	9	19				
b. IN MILITARY HOUSI DISPOSED/REPLACE	:D	0	0	0	o				
c. UNACCEPTABLE HO	USED IN COMMUNITY	91	412	37	640				
10. VOLUNTARY SEPARATIO	NS	26	112	20	167	22	100	18	140
11. EFFECTIVE HOUSING REC	UIREMENTS	654	2,905	176	3,753	647	2,406	132	3,086
12. HOUSING ASSETS (a + 1	b)	643	2,306	116	2,886	486	2,074	88	2,648
a. UNDER MILITARY C	ONTROL	410	1,649	30	1,989	410	1,679	0	1,989
(1) HOUSED IN EXI OWNED/CONT		410	1,649	30	1,989	410	1,679	0	1,989
(2) UNDER CONTRA	ACT/APPROVED					0	0	0	
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		133	767	86	976	76	495	88	65
(1) ACCEPTABLY F		126	723	80	928				
(2) ACCEPTABLE V	ACANT RENTAL	8	34	6	48				
13. EFFECTIVE HOUSING DEF	CIT	110	499	60	788	61	332	44	43
14. PROPOSED PROJECT							0	67	6

15. REMARKS

DD FORM 1523, NOV 90

							I	2. DA	ΓE
1. COMPONENT	Y 1996 MILIT	ARY CO	NSTRUC	TION I	PROGE	MAS	i	_,	
AIR FORCE	_	puter o					į		
3. INSTALLATION AND				MMAND			1	5. AR	EA CONSI
VANDENBERG AIR FORCE			AIR F	FORCE			į	CO	ST INDEX
CALIFORNIA			•	COMM	AND		İ	1	.36
6. PERSONNEL	PERMAN	ENT	S	TUDENT!	s	SUI	PORT	ED	I
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	624 2419	1242	1		1				4,285
b. End FY 2000	608 2219	•							3,984
	7. INV	ENTORY	DATA	(\$000	)				
a. Total Acreage:	( 98,830)								
b. Inventory Total	As Of: (30 S	EP 94)					1,	118,3	83
c. Authorization Not	t Yet In Inve	ntory:						32,5	28
d. Authorization Rec	mested In Th	is Pro	gram:					21,1	00
e. Authorization Inc	cluded In Fol	lowing	Prog:	ram:	(FY	1997)		19,4	99
f. Planned In Next	Four Program	Years:							0
g. Remaining Deficie									
h. Grand Total:									0
							1,	<b>,19</b> 1,5	•
8 PROJECTS REQUEST	ED IN THIS PR	OGRAM:	FY	1996			1,	, <b>19</b> 1,5	•
8. PROJECTS REQUEST	ED IN THIS PR	OGRAM:	FY	1996		cos			•
8. PROJECTS REQUEST: CATEGORY	ED IN THIS PR	OGRAM:		1996 SCOPE			т <u>і</u>		10 STATUS
8. PROJECTS REQUEST: CATEGORY		OGRAM:				(\$00	T <u>I</u>	DESIGN START	STATUS CMPL
8. PROJECTS REQUEST: CATEGORY CODE PR	OJECT TITLE				SF	(\$00	T <u>I</u>	DESIGN START	10 STATUS
8. PROJECTS REQUEST: CATEGORY	OJECT TITLE			SCOPE	SF	(\$00	T <u>I</u>	DESIGN START	STATUS CMPL
8. PROJECTS REQUEST: CATEGORY CODE PR 610-119 FAMILY HOU OFFICE	OJECT TITLE	ent		SCOPE 5,200		(\$00 9	T <u>I</u> 0)	DESIGN START	STATUS CMPL SEP 95
8. PROJECTS REQUEST: CATEGORY  CODE PR  610-119 FAMILY HOU  OFFICE  711-142 REPLACE MI	OJECT TITLE SING MANAGEME LITARY FAMILY	ent		SCOPE 5,200		(\$00 9	T <u>I</u> 0)	DESIGN START UG 94	STATUS CMPL SEP 95
8. PROJECTS REQUEST: CATEGORY CODE PR  610-119 FAMILY HOU OFFICE 711-142 REPLACE MI HOUSING (	OJECT TITLE SING MANAGEME LITARY FAMILY PHASE 3)	ent '		5,200 143 TOTAL	מט	(\$00 9 20,2 21,1	T <u>I</u> 0) 00 A	DESIGN START UG 94 TURN K	STATUS CMPL SEP 95
8. PROJECTS REQUEST: CATEGORY CODE PR  610-119 FAMILY HOU OFFICE 711-142 REPLACE MI HOUSING (	OJECT TITLE SING MANAGEME LITARY FAMILY PHASE 3)	ent '		5,200 143 TOTAL	מט	(\$00 9 20,2 21,1 ram (	T <u>I</u> 0) 00 A 00 7	DESIGN START UG 94 TURN K	STATUS CMPL SEP 95
8. PROJECTS REQUEST: CATEGORY CODE PR  610-119 FAMILY HOU OFFICE 711-142 REPLACE MI HOUSING (  9a. Future Project	OJECT TITLE SING MANAGEME LITARY FAMILY PHASE 3) s: Included	in the		5,200 143 TOTAL	מט	(\$00 9 20,2 21,1 ram (	T <u>I</u> 0) 00 A 00 7	DESIGN START UG 94 TURN K	STATUS CMPL SEP 95
8. PROJECTS REQUEST: CATEGORY  CODE PR  610-119 FAMILY HOU  OFFICE  711-142 REPLACE MI  HOUSING (	OJECT TITLE SING MANAGEME LITARY FAMILY PHASE 3) s: Included	in the		5,200 143 TOTAL	UN :: Prog	(\$00 9 20,2 21,1 ram (	T <u>I</u> 0) 00 A 00 7	DESIGN START UG 94 TURN K	STATUS CMPL SEP 95
8. PROJECTS REQUEST: CATEGORY CODE PR  610-119 FAMILY HOU OFFICE 711-142 REPLACE MI HOUSING (  9a. Future Project 711-142 REPLACE FA	OJECT TITLE SING MANAGEME LITARY FAMILY PHASE 3) s: Included	in the		5,200 143 TOTAL	UN Prog	(\$00 9 20,2 21,1 ram (	T <u>I</u> 0) 00 A 00 7 7 7 99	DESIGN START UG 94 TURN K	STATUS CMPL SEP 95
8. PROJECTS REQUEST.  CATEGORY  CODE PR  610-119 FAMILY HOU  OFFICE  711-142 REPLACE MI  HOUSING (  9a. Future Project  711-142 REPLACE FA	OJECT TITLE  SING MANAGEME  LITARY FAMILY  PHASE 3)  S: Included  MILY HOUSING,	in the	e Foll	5,200 143 TOTAL owing 138 TOTAL	UN Prog	(\$00 9 20,2 21,1 ram ( 19,4 19,4	T <u>I</u> 0) 00 A 00 7 00 FY 1 99	DESIGN START UG 94 TURN K	STATUS CMPL SEP 95

<sup>| 10.</sup> Mission or Major Functions: Headquarters Fourteenth Air Force; a | space wing with UH-1 aircraft; an Air Force Materiel Command detachment of | the Space and Missile Systems Center; and an Air Education and Training | Command space and missile training group.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTR	UCTION PROJECT DATA
AIR FORCE (computer ge	nerated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
	REPLACE MILITARY FAMILY
VANDENBERG AIR FORCE BASE, CALIFORNIA	HOUSING (PHASE 3)

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | 8.87.41 | 711-142 | XUMU964003 | 20,200

9. COST ESTIMATES						
			UNIT	COST		
ITEM	U/M	QUANTITY	COST	(\$000)		
REPLACE CAPEHART MFH, PHASE 3	UN	143	92,810	13,272		
SUPPORTING FACILITIES				4,963		
SITE PREPARATION	LS			( 287)		
ROADS AND PAVING	LS			( 482)		
UTILITIES	LS			( 1,175)		
LANDSCAPING	LS			( 456)		
RECREATION	LS			( 190)		
WALKS, PARKS, LIGHTS, TOT LOTS, FENCES	LS			( 692)		
DEMOLITION & ASBESTOS/LBP REMOVAL	LS			( <u>1,681</u> )		
SUBTOTAL				18,235		
CONTINGENCY (5%)				912		
TOTAL CONTRACT COST				19,147		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				1,053		
TOTAL REQUEST				20,200		
		[	ļ			
	!	! !	ļ			
AREA COST FACTOR 1.36		l				

| 10. Description of Proposed Construction: Replace 143 housing units. | Includes demolition, site grading, replacement/upgrade of utilities & | pavements, & construction of new housing units. Provides all needed | amenities such as parking, garages, bulk storage, exterior patios, privacy | fencing, neighborhood tot lots, recreation areas, parks, lights & trails. | Includes demolition & disposal of asbestos and lead-based paints.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	nsf	UNITS	TOTAL COST
JNCO 2BR	950	1.35	60	37	2,847,150
JNCO 3BR	1200	1.35	60	96	9,331,200
JNCO 4BR	1350	_1.35	60	<u> 10</u>	1,093,500
				143	13,271,850

11. REQUIREMENT: 2,023 UN ADEQUATE: 211 UN SUBSTANDARD: 2,078 UN PROJECT: Replace Military Family Housing (Phase 3). (Current Mission) REQUIREMENT: This project is required to provide modern, efficient, and safe housing for military members and their dependents stationed at Vandenberg AFB. All units are to meet "whole house" standards and are programmed in accordance with Phase 3 of the Housing Community Plan (HCP). Replacement housing will provide a living environment comparable to the off-base civilian community. Units being replaced are not surplus to the base mission. This is the third of thirteen phases to provide adequate housing for base personnel. Of the 1812 units to be replaced in this multi-phase initiative, 294 are completed or included in prior programs, and 1384 will follow in subsequent phases. New housing will have modern kitchen, family room, bedroom, bathroom, ample storage, garage, and

		1
11. COMPONENT		2. DATE
K	FY 1996 MILITARY CONSTRUCTION PROJ	ECT DATA
AIR FORCE	(computer generated)	
3. INSTALLATIO	N AND LOCATION	
5. 11(511111111111111111111111111111111		
VANDENBERG AIR	FORCE BASE, CALIFORNIA	
4. PROJECT TIT		5. PROJECT NUMBER
4. PRODECT III	1111	
DEDIACE MILITA	RY FAMILY HOUSING (PHASE 3)	XUMU964003
REFURCE MILLIA	111 1111111 110001110 (1111111 111111111	

parking for guests. Also, basic neighborhood support infrastructure will be upgraded to modern standards. Neighborhood improvements will include landscaping, playgrounds, walks, handicap access ramps, signs, street lights, irrigation, recreation areas, fitness course and utility upgrades. CURRENT SITUATION: These units are over 30 years old and have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified by the Fire Department and Base Safety as a fire hazard; wiring is brittle and exposed. There are no Ground Fault Interrupters (a life safety hazard). Fixtures are energy inefficient. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe constriction and pipe leakage. Overhead pipes in the attics leak, causing ceiling and property damage and irritation to occupants. Corroded sewers in and under the floor slab leak. Some roof structures are sagging. There is no family room and there is inadequate bulk storage. Kitchens have inefficient work space, poor circulation, worn out/insufficient cabinets. Bathroom fixtures, vanities, and appointments are worn and outmoded. Plumbing fixtures are worn and unattractive. Main and master baths are deteriorated and outdated, having shower enclosures and medicine cabinets which are corroded, discolored, and pitted. Additionally, the way the units are presently configured is inefficient. These houses have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations, and sidewalks require major repair or replacement due to the effects of age and the environment. Housing interiors are generally inadequate by any modern criteria. Unsightly utility wires and poles clutter the streetscape. There is a lack of trees on streets, lawns, and open spaces. Based on an increased requirement for 2-bedroom units, we will need to convert some of the 3-bedroom units into 2-bedroom units. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed without minimal water and electrical service. occupants will suffer continual water leaks in their ceilings (due to leaking overhead pipes) causing damage to the ceiling, light fixtures, and furniture under the leaks. We would not be providing a living environment that promotes pride, professionalism, and individual dignity. The current Housing Market Analysis shows an on-base housing surplus of 276 units. None of the units being replaced are surplus units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity with no improvement in the living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of |Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTIFICATION	(YYMMDD)		2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716				
	NG INSTALLATION			I LOCATI	ON				
AIR FORCE a. NAME 5. DATA AS OF	VANDENBRG AIR FORCE BASE	FORCE BASE			b. LOCATION LOMPOC, CALIFORNIA				
1992									
ANALYSIS		CURRENT	FO 54	TOTAL	OFFICER	PROJEC E9 -E4	E3 - E1	TOTAL	
OF	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	(d)	(e)	(f)	(g)	(h)	
REQUIREMENTS AND ASSETS 6. TOTAL PERSONNEL STRENGTH	(4)	(0)	(0)	(0)		1	187	(,	
b. TOTAL PERSONNEL STRENGTH	665	1,984	655	3,304	642	2,070	535	3,24	
7. PERMANENT PARTY PERSONNEL			0.55	0.004	040	2 070	535	2 24	
	665	1,984	655	3,304	642	2,070	535	3,24	
B. GROSS FAMILY HOUSING REQUIREMEN	VTS 510	1,408	202	2,120	491	1,458	158	2,10	
9. TOTAL UNACCEPTABLY HOUSED (a +	b + c)								
	5	26	10	41					
a. INVOLUNTARILY SEPARATED	1	9	9	19					
b. IN MILITARY HOUSING TO BE									
DISPOSED/REPLACED		0	0	0					
c. UNACCEPTABLE HOUSED IN COM	MMUNITY 4	17	1	22					
10. VOLUNTARY SEPARATIONS	4	71	6	81	4	75	- 5	8	
11. EFFECTIVE HOUSING REQUIREMENTS	510		202	2,120	487	1,383	153	2,02	
2. HOUSING ASSETS (a + b)	574		214	2,296	556	1,553	180	2,28	
a. UNDER MILITARY CONTROL	477		203	2,078	477	1,427	174	2,07	
(1) HOUSED IN EXISTING DOD					440	4 040	153	1,81	
OWNED/CONTROLLED  (2) UNDER CONTRACT/APPROVI	410	1,220	182	1,812	410	1,249	153	1,81	
(2) UNDER CONTRACT/APPROVI					0	0	0		
(3) VACANT	67	178	21	266					
(4) INACTIVE									
b. PRIVATE HOUSING		0	0	0					
	97	110	11	218	79	126	6	21	
(1) ACCEPTABLY HOUSED	91	91	4	186					
(2) ACCEPTABLE VACANT RENT	AL								
2 EFFECTIVE HOUSENC DEFICIT	6	19	7	32					
3. EFFECTIVE HOUSING DEFICIT	3	78	9	90	(69)	(170)	(27)	(26	
4. PROPOSED PROJECT					0	0	143	14	
5. REMARKS						1	173		

15. REMARKS

DD FORM 1523, NOV 90

1. COMPONENT				2. DATE
i i	FY 1996 MILITA	RY CONSTRUCTION	ON PROJECT DATA	
AIR FORCE	(cc	omputer general	ted)	
3. INSTALLATION	N AND LOCATION	, -	. PROJECT TITLE AMILY HOUSING MAI	nagement
VANDENBERG AIR	FORCE BASE, CALI	FORNIA O	FFICE	
5. PROGRAM ELEN	MENT   6. CATEGORY	CODE 7. PROJE	CT NUMBER  8. PRO	OJECT COST(\$000)

610-119

XUMU944003

9. COST ESTIMATES								
			UNIT	COST				
ITEM	U/M	QUANTITY	COST	(\$000)				
FAMILY HOUSING MANAGEMENT FACILITY	SF	5,200	120	624				
SUPPORTING FACILITIES			1	188				
UTILITIES	LS	]		( 14)				
SITE IMPROVEMENTS	LS		Ī	( 26)				
PAVEMENTS	LS	j		( 61)				
PREWIRED WORK STATIONS	EA	11	4,200	(46)				
DEMOLITION	SF	3,150	13	( <u>41</u> )				
SUBTOTAL	1			812				
CONTINGENCY (5%)	1	1		41				
TOTAL CONTRACT COST				853				
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			47				
TOTAL REQUEST				900				
		ļ I						
	1							
AREA COST FACTOR 1.36	.1							

| 10. Description of Proposed Construction: Reinforced concrete floor slab | and foundation, split-faced concrete block masonry walls, steel-trussed | roof system, and tile roof. The project provides offices, restrooms, | counseling and meeting rooms, customer waiting area, computer equipment | room, and interior and exterior child play areas. Includes utilities, | parking, landscaping, and all appurtenant work for a complete facility.

REQUIREMENT: 5,200 SF ADEQUATE: 0 SUBSTANDARD: 3,133 SF PROJECT: Family Housing Management Facility. (Current Mission) REQUIREMENT: An adequate facility is required to serve customers and to provide for more efficient housing management. The facility must be handicapped accessible and have adequate parking for vehicles pulling trailers and small trucks which may be used by arriving personnel. facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area with multiple telephones, a computer room and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior areas must be provided with recreation equipment and be fenced for security. facility exterior requires landscaping to enhance customer appeal. CURRENT SITUATION: Annually, this Family Housing Management Office houses or assists over 9,000 families and unaccompanied personnel living on-base and off-base. This includes service to a large number of DoD civilians as This housing office manages the assignment, termination, and maintenance of 2,076 family housing units and 172 mobile home spaces. Also, it manages 1164 dorm bed spaces. The existing Military Family Housing Office is in a substandard WWII-era wooden-frame structure, which was constructed in 1942 and does not meet the seismic code for earth

Previous editions are obsolete.

489

900

8.87.41

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PRO	DJECT DATA
AIR FORCE	(computer generated)	1
	ON AND LOCATION  R FORCE BASE, CALIFORNIA	
4. PROJECT TI		5. PROJECT NUMBER
  FAMILY HOUSIN	IG MANAGEMENT OFFICE	   XUMU944003

area of the base. Age and the environment have taken their toll on the

This is one of the few remaining WWII-era facilities left in its

structure. The structure has dry rot and is termite-infested. leaks and there are water stains on the ceilings. Wiring is old and does |not meet electrical code. The underground utilities are original and are deteriorated. The facility is energy-inefficient, and the heating system is inadequate so that one-third of the facility is without heat. Restrooms are too small. The poor facility presents a very unfavorable impression to the thousands of customers who transit the facility each year. The present office is not large enough and is poorly configured to provide space for proper services and a proper atmosphere for both workers and customers. There is inadequate storage space. Existing space affords little privacy to families in counseling. There is no interior play area for children to use while parents are being counselled on housing opportunies and requirements. The facility will be demolished upon completion of this replacement project. IMPACT IF NOT PROVIDED: Customers will continue to be served in a substandard, inadequate facility. Workers, as well, will continue to work in the same inadequate facility. These factors, in turn, affect morale which, in turn, affects work performance. Work performance, in turn, affects the mission. The liability of having people in a structure that

<u>ADDITIONAL</u>: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

does not meet seismic code will remain.

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION FAMILY HOUSING MGT OFFICE PETERSON AIR FORCE BASE, COLORADO 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | TDKA944004 570

610-119

9. COST ESTIMAT	ES			
		1	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FAMILY HOUSING MANAGEMENT FACILITY	SF	3,250	115	374
SUPPORTING FACILITIES	1	1 1	1	140
UTILITIES	LS	1		( 40)
PAVEMENTS	LS	1	1	( 35)
SITE IMPROVEMENTS	LS			( 30)
LANDSCAPING	LS		1	( 20)
PREWIRED WORKSTATIONS	LS			(_15)
SUBTOTAL	1			514
CONTINGENCY (5%)		1		_26
TOTAL CONTRACT COST		1		540
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				30
TOTAL REQUEST	1	1		570
		]		
	1	]	· ·	
	!	!		
	!	!		•
AREA COST FACTOR 1.06				

| 10. Description of Proposed Construction: Work to include site utilities, paving, concrete walks, landscaping, concrete foundation, steel super structure, load bearing concrete block walls, masonry veneer, built-up roofing, decorative interior finishes. Project provides offices, restrooms, counseling and meeting rooms, customer waiting, computer equipment room, and interior and exterior child play areas.

Air Conditioning: 6 Tons.

8.87.41

11. REQUIREMENT: 3,250 SF ADEQUATE: 0 SUBSTANDARD: 1,188 SF PROJECT: Construct new 3250 sf Family Housing Management Office at Peterson AFB. (Current mission).

REQUIREMENT: A new Family Housing Management Office to provide adequate space for managing Base family housing assets, for assisting all arriving personnel in finding adequate on or off base housing, and for managing furnishings for authorized base personnel. The facility must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The |facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room and storage space for equipment and publications, and interior play area for children of customers.

CURRENT SITUATION: The existing Family Housing Management Office occupies a portion (1188 sf) of building 1042. This is 2062 sf less than what is required for this Base function to operate properly. Expansion of this |facility is not feasible because of its growing responsibility to its customers. The facility does not have adequate space to accomodate housing management functions and newly assigned unaccompanied housing and

١	1. COMPONENT		2. DATE	
İ	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	[A		
	AIR FORCE (computer generated)			-
Ì	3. INSTALLATION AND LOCATION			
ĺ	PETERSON AIR FORCE BASE, COLORADO			
1	4. PROJECT TITLE	5. P	PROJECT NUMBER	
i				
ĺ	FAMILY HOUSING MGT OFFICE	T	DKA944004	_

furnishings management responsibilities. Existing space affords little privacy to families in counseling because there are no private offices for this purpose. There is no interior play area for children to use while parents are being counseled on housing opportunities and requirements. The parking, reception area and storage for this facility is substandard and well below what they need.

IMPACT IF NOT PROVIDED: The existing operation will continue to lack adequate space and not be able to serve the Peterson Complex's military personnel with adequate housing assistance. The base has grown increasing the number of personnel (7,058) this office assists; customers will continue to be served in an extremely substandard, cramped and unprofessional environment. The housing office will not be able to provide the quality service to Peterson personnel.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190 "Facility and Planning and Design Guide".

1. COMPONENT								2	. DATI	
	FY 1996					PROGR	MA			
AIR FORCE			puter 9						אַרווי אַ	CONTE
3. INSTALLATION			0.5		MMAND	~ <del>T</del> CMT	Tam	2		CONST
BOLLING AIR FOR	.CE BASE, DI	STRICT	OF	AIR F			ICT	ļ		INDEX
COLUMBIA				<del></del>	SHING'				1.0	)3
5. PERSONNEL	1	PERMAN			UDENT:			PORTE	<del></del>	moma r
STRENGTH		ENL			ENL	CIVI	OFF	ENL	CIV	TOTAL
a. As of 30 SEP	•	1618	•	: :		 1	1		217	3,466
o. End FY 2000	612	1573	1		/#200		1	39	217	3,357
		7. INV	ENTORY	DATA	(\$000	)	<del> </del>			
. Total Acreac		607)						_	40 224	
o. Inventory To									42,110	
. Authorizatio									11,400	
d. Authorizatio						/ mar ==	0051		4,100	
e. Authorizatio				Progr	am:	(FY 1	.997)		5,000	
. Planned In N		ogram :	Years:						(	
g. Remaining De								_		)
1. Grand Total:								2	62,610	)
B. PROJECTS REC	OUESTED IN 1	HIS PRO	OGRAM:	FY 1	.996					
CATEGORY							COST			TATUS
CODE	PROJECT I	TITLE		5	COPE		(\$000	<u>) s</u>	TART	CMPL
										_
	E MILITARY				32	UN	4,10	o TU	RN KE	?
HOUS	ING (PHASE 4	ł)				-		_		
					TOTAL	_	4,10			
	ojects: Inc			FOTTC						
	CE MILITARY				40	UN	5,00	o Tu	RN KE	Ž.
HOUS	ING (PHASE 5	5)				-		_		
	<del> </del>				TOTAL		5,00	0		
b. Future Pro										
	Major Fund									-
National Capito	ol Region.	Headqu	arters	USAF	funct	ions	inciu	de Cn	ier o	<u> </u>
Chaplains, Surg										
of Special Inve										
Force Legal Ser		cy; Air	Force	Measo	cal Su	pport	. Agen	cy; u	SAF B	and;
and USAF Honor	Guard.									

1. COMPONENT			2. DATE
`k   F:	Y 1996 MILITARY CONSTR	UCTION PROJECT DATA	1
AIR FORCE	(computer ge	nerated)	
3. INSTALLATION AND	D LOCATION	4. PROJECT TITLE	
BOLLING AIR FORCE	BASE	REPLACE MILITARY FA	MILY
WASHINGTON DISTRICT	r of columbia	HOUSING (PHASE 4)	

9. COST ESTIMATES

	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	32	84,755	2,712
SUPPORTING FACILITIES				989
SITE PREPARATION	LS			( 244)
ROADS AND PAVING	LS			( 221)
UTILITIES	LS			( 98)
LANDSCAPING	LS			( 70)
RECREATION	LS			( 74)
LBP/ASBESTOS REMOVAL AND DEMOLITION	LS	]		( <u>280</u> )
SUBTOTAL		]		3,701
CONTINGENCY (5%)				185
TOTAL CONTRACT COST				3,886
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		ļ		214
TOTAL REQUEST				4,100
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		ļ	ļ	ļ
		l İ		ļ
				ļ
AREA COST FACTOR 1.03				

|10. Description of Proposed Construction: Demolish 32 Military Family |Housing units and replace with 32 new units of same bedroom composition. |Provide fire sprinklers in accordance with the Fire Administration |Authorization Act of 1992. Provide site preparation, utility system |alteration, road repair and alteration and improvements to common and |recreation areas.

	NET	PROJECT	\$/	NO.	
UNIT TYP	E AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3B	R 1200	1.05	60	5	378,000
JNCO 4B	R 1350	1.05	60	8	680,400
SNCO 3B	R 1350	1.05	60	13	1,105,650
SNCO 4B	R 1450	1.05	_60	6_	548,100
				32	2,712,150

|11. REQUIREMENT: 6,710 UN ADEQUATE: 3,815 UN SUBSTANDARD: 866 UN | PROJECT: Replace 32 Military Family Housing units. Improve common | grounds, recreation areas and streets associated with the units. (Current | Mission)

| REQUIREMENT: Improve the quality of life for military members and their | families assigned to this installation. Replacement of these housing | units is required to support the current mission. Provide housing units | that meet current Air Force minimum space, quality and energy standards. | Housing neighborhoods must be aesthetically pleasing and functional, as | prescribed in the Housing Community Plan (HCP). Units must be fire | protected in accordance with the Fire Administration Authorization Act of | 1992 and must be designed to accommodate Physically Handicapped family

•	1. COMPONENT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
_	AIR FORCE (computer generated)	
	3. INSTALLATION AND LOCATION	
	BOLLING AIR FORCE BASE WASHINGTON DISTRICT OF COLUMBIA	
	4. PROJECT TITLE   5. PRO	OJECT NUMBER
	REPLACE MILITARY FAMILY HOUSING (PHASE 4)	UR964003

## members.

CURRENT SITUATION: Housing units included in this project were constructed in 1975 under a low, constrained budget. Materials used in construction were of inferior quality, therefore, the units are suffering obsolescence and dilapidation. Existing units do not meet Air Force minimum space standards. Space deficiencies range from 100 to 200 square feet in various types of units. Floor layouts are dysfunctional, and do not allow maximum use of existing space. Family rooms are currently being used as family/secondary eating rooms. Living/dining areas are not defined. Due to limited space in the living and dining rooms the entire area is generally used as a living room. Fire safety and handicap requirements are not met in existing housing units. Doors and windows are of the original construction and do not meet current energy standards. Exterior living areas are inadequate. Due to the high density of the housing area it doesn't lend itself to privacy, therefore fencing and landscaping is required to provide privacy in the rear yards. appearance of the front yards is cluttered and unorganized. Carport structures are oriented in front of the housing units which blocks the view of the entrances. Also, lack of adequate outdoor storage has forced occupants to use the carports to store bikes, lawn furniture and other items, which detracts from the existing, cluttered state. Common areas aredeficient of ample play yards and other amenities to serve the housing population. Due to the extensive amount of work required to correct deficiencies, modernize to comtemporary standards and repair existing lunits, it has provem to be more cost effective to replace the units. IMPACT IF NOT PROVIDED: The lack of affordable housing in the Metropolitan Washington area and the lack of housing on base has forced lower ranking members into unsuitable dwellings in the less desirable neighborhoods. Affordable, adequate housing for military members is essential to mission readiness. Failure to correct deficiencies and modernize to current standards impacts the quality of life for the occupants, government resources and inadvertently impacts the mission. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

MILITARY FAMILY HOUSIN	IG JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SYI	MBOL
3. DOD COMPONENT	4. REPORTING INSTA				1330		DD MACINI	,,,,,,	
AIR FORCE	a. NAME	ALLATION			b. LOCATI	ON			
5. DATA AS OF 1993		AIR FORCE BASE			WASHINGTON D.C.				
ANAL	/SIS	C	URRENT				PROJEC	TED	
0	F	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL ST	RENGTH	5,294	3,887	353	9,534	5,294	3,869	371	9,53
7. PERMANENT PARTY PE	RSONNEL	5,294	3,887	353	9,534	5,294	3,869	371	9,53
8. GROSS FAMILY HOUSI	NG REQUIREMENTS	4,192	2,725	56	6,973	4,147	2,686	59	6,89
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)	1,570	1,044	15	2,629				
a. INVOLUNTARILY	SEPARATED	29	23	0	52				
b. IN MILITARY HOU DISPOSED/REPLA		0	0	0	0				
c. UNACCEPTABLE	HOUSED IN COMMUNITY	1,541	1,021	15	2,577				
10. VOLUNTARY SEPARAT	TIONS	79	100	2	181	79	101	2	18
11. EFFECTIVE HOUSING F	REQUIREMENTS	4,192	2,725	54	6,973	4,068	2,585	57	6,71
12. HOUSING ASSETS (a	+ b)	2,613	1,605	40	4,258	2,563	1,750	40	4,35
a. UNDER MILITARY	CONTROL	295	1,085	15	1,395	394	1,382	33	1,80
(1) HOUSED IN E OWNED/CO		190	785	15	990	191	766	33	99
	TRACT/APPROVED	100	700			98	316	0	41
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSIN	IG	2,423	820	25	3,268	2,274	668	7	2,94
(1) ACCEPTABLY	HOUSED	2,353	796	24	3,173				
(2) ACCEPTABLE	VACANT RENTAL	70	24	1	95				
3. EFFECTIVE HOUSING D	DEFICIT	1,579	1,120	14	2,715	1,505	835	17	2,35
4. PROPOSED PROJECT						0	32	0	3

DD FORM 1523, NOV 90

9. COST ESTIMATE				
	T		TINU	COST
ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT FACILITY	SF	5,600	75	420
SUPPORTING FACILITIES				31
UTILITIES	LS			( 9)
SITE IMPROVEMENTS	LS	1		( 6)
PAVEMENTS	LS			( <u>16</u> )
SUBTOTAL	1			451
CONTINGENCY (5%)	1	1		_23
TOTAL CONTRACT COST	-	1		474
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1	1		_26
TOTAL REQUEST	1			500
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AREA COST FACTOR 0.73				

|10. Description of Proposed Construction: Includes tilt up masonry | panels on steel frame, concrete floor slab, built-up roof, comprehensive | interior design, utilities, parking and fencing. Area includes offices | for counselors, inspectors, housing officer and assistant; storage and | waiting/display area.

Air Conditioning: 5 Tons.

5,600 SF ADEQUATE: 0 SUBSTANDARD: REQUIREMENT: PROJECT: Family Housing Management Facility. (Current Mission) REQUIREMENT: An adequate facility is required to provide complete referral services and a full range of personal assistance to all eligible DOD personnel in locating suitable nondiscriminatory community housing. A relaxing environment is desired since this is usually the first stop for arriving travel-worn personnel and their dependents. The facility must be located for convenient access by arriving personnel and those already assigned to base housing. It must be handicap-accessible and have adequate parking for vehicles pulling and trailers and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counselling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, storage space for equipment and publications, and interior and exterior play areas for children of customers. The facility exterior requires landscaping to enhance customer appeal.

|CURRENT SITUATION: The family housing management office provides service | to over 12,900 families and unaccompanied personnel living off-base and | manages the assignment, termination, and maintenance of 2,359 family | housing units. In FY93 they assisted over 3,670 personnel in finding

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
EGLIN AIR FORCE BASE, FLORIDA	
4. PROJECT TITLE	5. PROJECT NUMBER
HOUSING MANAGEMENT FACILITY	FTFA944009

off-base housing. The existing housing management office is a converted Wherry housing unit that was built in 1948. This facility does not provide the privacy necessary for the housing officer of the Housing Referral Office and counselors. Customers awaiting service must stand in the hallway because of lack of space. The run down condition of the building does not provide a professional atmosphere to personnel visiting the Housing Office, and degrades employee morale. Realtors, brokers, builders, apartment managers, and families arranging moves or filing complaints also use this facility. Because of the lack of space, the Housing Facilities Section has been relocated to a temporarily converted Wherry unit across the street. The average customer is in the office for 30-45 minutes and is assisted in all aspects of housing. Maintenance problems in the facility are a reccuring nightmare, as the age of the facility and its mechanical and electrical systems are such that economical repairs are not possible.

IMPACT IF NOT PROVIDED: Morale of housing office employees will continue to degrade. Customers will not receive the necessary privacy when dealing with housing office personnel and will continue to be served in an extremely cramped, deteriorated, and unprofessional environment. Lack of space eliminates any possibility of establishing private counseling areas. Unusual and costly resource commitment will be necessary to keep the existing facility habitable. Major repairs or improvements are not an option because of the age and condition of the facility and extensive investment required.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide", and the Air Force Housing Support Facilities Guide.

1. COMPONENT			2. DATE
i i	FY 1996 MILITARY CON	STRUCTION PROJECT DATA	1
AIR FORCE	(computer	generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
EGLIN AUX FIELD	9, FLORIDA		
<u>'</u>		FAMILY HOUSING SERV	ICE CENTER
EGLIN AUX FIELD (HURLBURT FIELD)			ICE CENTER

9. COST ESTIMATE	:s			<u> </u>
	T	1	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FAMILY HOUSING SERVICE CENTER	LS		1	594
FAMILY HOUSING MGT CENTER (610-119)	SF	3,200	97	(310)
MAINTENANCE FACILITY (219-944)	SF	3,550	80	(284)
SUPPORTING FACILITIES		1		200
UTILITIES	LS		1	( 80)
SITE IMPROVEMENTS	LS	1		( 60)
PAVEMENTS	LS		1	( <u>60</u> )
SUBTOTAL		1		794
CONTINGENCY (5%)				40
TOTAL CONTRACT COST			1	834
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			46
TOTAL REQUEST		1		880
TOTAL REQUEST (ROUNDED)	1			880
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| 10. Description of Proposed Construction: Provide a new family housing | management center and new maintenance facility. Work includes reinforced | concrete foundation and floor slab, masonry walls, and sloped roof. | Includes offices, restrooms, counseling and meeting rooms, customer | waiting area, computer room, and child play areas. Maintenance facility | includes office space, equipment room and supply storage.

Air Conditioning: 15 Tons.

| 11. REQUIREMENT: 9,471 SF ADEQUATE: 2,771 SF SUBSTANDARD: 0 | PROJECT: Family Housing Management Center and Maintenance Facility. | (Current Mission)

REQUIREMENT: Adequate facility is required for managing base owned/operated family housing and unaccompanied housing assets. Space is urgently required to assist all personnel in finding acceptable on or off base housing. Also required is a new maintenance facility to support the tremendous task of keeping all family housing units up to the highest Air Force standards. The requested size of both facilities is based upon the existing 680 family housing units. Per the new Air Force Housing Support Facilities Guide, the total of 680 family housing units authorizes small size housing office at 3215SF and small housing maintenance facility at 3532SF. This project complies with this guidance and the Housing Community Plan (HCP).

| CURRENT SITUATION: The Hurlburt Housing Management Office provides a | vital service to over 6,500 military personnel and manages 680 family | housing units. The existing housing office shares a building with the | base billeting office. The building is over-crowded with no space for | children's play area or separate rooms for private discussions. The | housing maintenance functions are currently located in old trailers which

•	1. COMPONENT		2. DA	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	1	
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			
	EGLIN AUX FIELD 9,FLORIDA (HURLBURT FIELD)			
	4. PROJECT TITLE	5.	PROJECT	NUMBER
	ENMILY HOUSENS CEDITOR CENTED	1	EmE21003U	100

have exceeded their life expectancy. The space is extremely limited and seriously degrades the maintenance effort.

IMPACT IF NOT PROVIDED: The housing management staff will continue to work in a substandard, inadequate, and undersized housing office. ability to perform their tasks for the customers will continue to be degraded and their effectiveness and efficiency as managers and customer service representatives will deteriorate. Maintenance workers and staff will continue to function from an old, deteriorating, undersized facility which adversley impacts job performance, effectiveness, and efficiency. The Air Force will continue to pay high energy, operations, and maintenance costs for these old deteriorating facilities.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

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2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE HOUSING MANAGEMENT FACILITY MACDILL AIR FORCE BASE, FLORIDA 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) NVZR940033 646 610-119 8.87.41 9. COST ESTIMATES UNIT COST COST (\$000) |U/M|QUANTITY| 3,600 110 396 HOUSING MANAGEMENT FACILITY 187 SUPPORTING FACILITIES (35) **PAVEMENTS** LS LS (75) UTILITIES LS ( 10) SITE IMPROVEMENTS LS (12) LANDSCAPING LS (48) SYSTEMS FURNITURE AND FURNISHINGS LS (7) DEMOLITION 583 SUBTOTAL 29 CONTINGENCY (5%) 612 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 34 646 TOTAL REQUEST

| 10. Description of Proposed Construction: All site preparation, drainage | improvements, slab on grade, splitface concrete masonry walls, sloped | standing seam metal roof, and decorative interior finishings. Project | provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play | areas. Includes all utilities, parking, landscaping, and demolition. | Air Conditioning: 10 Tons.

0.80

11. REQUIREMENT: 3,600 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct Housing Management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer lappeal.

CURRENT SITUATION: The existing Housing Management facility is located in a designated flood plain, and does not have adequate vertical reinforcing in the exterior walls to meet building codes. The facility is less than

AREA COST FACTOR

1. COMPONENT		2. DAT	Ë
FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA		
AIR FORCE (computer generated)			
3. INSTALLATION AND LOCATION			
MACDILL AIR FORCE BASE, FLORIDA			
4. PROJECT TITLE	5.	PROJECT N	TUMBER
UCITATA MANACEMENT FACTITTY	- 1	NVZR94003	: 3

half the size required and cannot adequately accommodate customers. lobby is extremely small, which forces customers to wait (stand) in the entrance way until they can be served. No space is provided for a children's play area, which greatly adds to the confused environment as children tire and become restless as their parents await service. files have had to be located one mile from the office due to inadequate space and in an attempt to improve customer service. Three individuals are forced to share a 100 SF office. Two other individuals share a desk, and furnishings management and GOQ management personnel are forced to work in a different building which results in inefficient communications and a poor working environment. There is no private space for counseling or receiving complaints. The housing management office provides a vital service to over 6,000 permanent party families and manages 804 family housing units. In addition, the office serves all base unaccompanied personnel and manages 1,040 dormitory rooms. The existing facility will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: Thousands of customers will continue to be served in a facility which is less than half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get their first "introduction" to their new location in a cramped, deteriorated and unprofessional working environment. Costly and wasteful resource commitment will be necessary to keep the existing facility habitable and suseable.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and the Air Force Housing Support Facilities Guide."

1. COMPONENT									2. DATE		
	FY 19	96 MILITA	ARY CO	NSTRUC	CTION I	PROGE	MAS				
AIR FORCE		(comp	outer o	genera	ted)				<u> </u>		
3. INSTALLATI	ON AND LOCA	rion		4. CC	DINAMINO				5. A	REA	CONST
				AIR FORCE					C	OST	INDEX
PATRICK AIR I	FORCE BASE,	FLORIDA		SPACE	E COMM	DINE				0.8	0
6. PERSONNEL	1	PERMAN	ENT	S7	FUDENTS	S	SUP	POR	red		
STRENGTH	<u>  0</u> :	FF ENL	CIV	OFF	ENL	CIV	OFF	EN	r  CI	V	TOTAL
a. As of 30 S	SEP 94   44	46  1832	1125				194	66	56   56	0	4,823
b. End FY 200	00 4	02   1655	914	<u> </u>			194	6	66   <u>56</u>	0	4,391
		7. INVI	ENTORY	DATA	(\$000)	)					
a. Total Acre	_	2,341)									
b. Inventory	Total As Of	: (30 SI	EP 94)						158,	431	
c. Authorizat	ion Not Yet	In Inver	ntory:						7,	700	
d. Authorizat	ion Request	ed In Thi	is Pro	gram:					7,	947	
e. Authorizat	ion Include	d In Foll	lowing	Progr	ram:	(FY 1	L <b>997</b> )		З,	103	
f. Planned In	n Next Four	Program ?	Years:							0	
g. Remaining	Deficiency:									0	
h. Grand Tota	al:								177,	181	
8. PROJECTS I	REQUESTED IN	THIS PRO	OGRAM:	FY :	L996						
CATEGORY							COST	-	DESIG	N S	TATUS
CODE	PROJECT	TITLE		5	SCOPE		(\$000	)	STAR	T	CMPL
711-142 REPI		HOUSING			70	UN	7,94	7 '	TURN	KEY	
PHI	ASE 4					_		_			
					TOTAL		7,94				
•	Projects: I			Follo							
!	LACE MILITAR	Y FAMILY	HSG		35	UN	3,10	3 '	TURN	KEY	
PI (PI	HASE 7)					_		_			
					TOTAL		3,10	3			
	Projects: T										
	or Major Fu										
Applications											
an HC-130 res											he
Air Force Res	serve HH-60/	HC-130 re	escue	squad:	ron fro	om Ho	omeste	ead .	AFB,	FL.	

Air Force Reserve HH-60/HC-130 rescue squadron from Homestead AFB, FL.

1. COMPONENT				2. DATE
i i	FY 1996 MILITARY CO	NSTRUCTION PROJECT	DATA	
AIR FORCE	(compute	er generated)		
3. INSTALLATI	ON AND LOCATION	4. PROJECT		
		REPLACE FAMI	LLY HOUSIN	1G
PATRICK AIR F	ORCE BASE, FLORIDA	PHASE 4		
	EMENT   6 . CATEGORY CODE	7. PROJECT NUMBER	8. PROJEC	CT COST (\$000)
	1/			
0.07.41	i 711_149 i	CYHT964005		7.947

9. COST ESTIMATE	5			
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE MILITARY FAMILY HSG (PHASE 4)	מט	70	57,000	3,990
SUPPORTING FACILITIES				3,184
GARAGES	LS			( 290)
DEMOLITION/ASBESTOS/LBP REMOVAL (49UN)	LS			( 648)
ROADS AND PAVING	LS			( 358)
UTILITIES	LS			( 748)
LANDSCAPING	LS			( 580)
RECREATION	LS		ļ	( 160)
SITE PREPARATION	LS			(400)
SUBTOTAL				7,174
CONTINGENCY (5%)				<u>359</u>
TOTAL CONTRACT COST				7,533
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			414
TOTAL REQUEST				7,947
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				!
AREA COST FACTOR .98	<u> </u>			

| 10. Description of Proposed Construction: Replace 70 housing units. | Includes the demolition of 49 units, asbestos and lead base paint removal, | site clearing, replacement/upgrade of utility systems and roads. Provides | 2 bedroom units with attached garages, normal amenities to include | parking, air conditioning, exterior patios, recreational areas, and whole | neighborhood improvements.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JRENL 2BR	950	1.00	60	70	3,990,000

| 11. REQUIREMENT: 2,136 UN ADEQUATE: 1,991 UN SUBSTANDARD: 145 UN | PROJECT: Replace Military Family Housing (Phase 4). (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents stationed at | Patrick AFB, Florida. All units will meet "whole house" standards and are | programmed in accordance with phase 4 of the North and Central Wherry | Housing Replacement phasing plan of the Housing Community Plan. The | housing replacement will provide a safe, comfortable, and appealing living | environment comparable to off-base civilian communities. This is the | last of four replacement phases replacing 550 Wherry units to provide | adequate housing to base personnel. The replacement housing will provide | a modern kitchen, living/dining room, bedrooms and baths, with adequate | interior and exterior storage, and a single garage. Exterior parking will | be provided for a second occupant vehicle and guest. The basic | neighborhood support infrastructure will be replaced to meet modern

1	. COMPONENT							2. D#	ATE
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3	. INSTALLAT	ION AND I	LOCAI	rion					
İ									
Ē	PATRICK AIR E	FORCE BAS	SE, F	LORIDA					
4	. PROJECT T	ITLE					5.	PROJECT	NUMBER
İ							1		
Ė	REPLACE FAMII	LY HOUSI	NG PH	IASE 4				SXHT9640	005

housing needs. Neighborhood enhancements will include landscaping and recreational areas.

CURRENT SITUATION: This project replaces 70 Patrick AFB housing units that were constructed between 1952 and 1958. The existing units are one story, concrete block with flat roofs and detached garages (up to 170 feet away from housing units). The unit facades are stark and monotonous. relationship of the garages to the units is poor, and private backyard space is poorly defined. The housing area is open, lacks any sense of human scale, and portrays a very barren and unappealing visual image. These houses are showing the effects of age, continuous heavy use, and the degradation due to the corrosive environment on Florida's coast. The built up gravel flat roofs have deteriorated to where they must be replaced. The exterior walls have developed cracks that allow water and moisture intrusion to the interiors. The infrastructure (sewer, water, electrical) have deteriorated beyond economic repair. The plumbing and heating/air conditioning systems inside the units have also deteriorated beyond economic repair. The bathrooms are small, fixtures are outdated and are energy inefficient. Bedrooms are small and lack adequate closet space. Lighting system throughout the houses are inefficient and are in need of replacement. The majority of units have asbestos in roofs, floor tiles, walls, and ceilings and lead base paint.

| IMPACT IF NOT PROVIDED: Air Force members and their families would | continue to be housed in unsatisfactory conditions, affecting morale and | the retention of quality personnel. Some personnel will continue to | occupy substandard housing while neighbors are in new replaced units. The | current Housing Market Analysis shows an effective housing deficit of 8 | units. Without this last phase of the project, various costly repairs | will be required for these units, with no improvement in the quality of | life.

ADDITIONAL: This project is the fourth phase of the North/ Central Wherry Housing Replacement program, total breakout is as follows: FY93 (New 250, Demo 190), FY94 (New 155, Demo 215), FY95 (New 75, Demo 96) and FY96 (New 70, Demo 49). Total for the four phases are 550 new units and 550 units demolished. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Project has no impact on school. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

MILITARY FAMILY HOUSIN		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR REPORT CONTROL SYMBO DD-A&L(AR)1716				
3. OOO COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE	a. NAME				b. LOCATIO				
5. OATA AS OF 1994	PATRICI	K AIR FORCE BASE				BREVARD CO			
ANALY	SIS	Cl	JRRENT				PROJEC	TEO	
OI	F	OFFICER	E9-E4	E3 · E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTA
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL STE	RENGTH	718	1,902	245	2,865	721	1,878	272	2,8
7. PERMANENT PARTY PE	RSONNEL	718	1,902	245	2,865	721	1,878	272	2,8
B. GROSS FAMILY HOUSIN	IC BEOLUBEMENTS	/18	1,502	245	2,003	721	1,070	212	2,0
3. GRUSS PAMILT HUUSIN	IG RECORDINENTS	137	1,107	44	1,288	570	1,465	101	2,1
9. TOTAL UNACCEPTABLY	HOUSEO (a + b + c)	0	0	0	0				
a. INVOLUNTARILY	SEPARATEO			0	0				
b. IN MILITARY HOU	ICING TO DE	0	0		U				
OISPOSEO/REPLA			0	0	0				
c. UNACCEPTABLE HOUSEO IN COMMUNITY		Y 0	0	0	0				
O. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	
11. EFFECTIVE HOUSING REQUIREMENTS		137	1,107	44	1,288	570	1,465	101	2,1
2. HOUSING ASSETS (a -	+ b)	565	1,452	54	2,071	564	1,432	54	2,0
a. UNOER MILITARY	CONTROL	139	1,363	54	1,556	139	1,363	54	1,5
(1) HOUSEO IN E		137	1,107	44	1,288	139	1,363	54	1,5
OWNEO/CON (2) UNOER CONT	RACT/APPROVEO	137	1,107	44	1,288	0	1,383	0	
(3) VACANT		0	0	0	0	0	0	0	
(4) INACTIVE	100000000000000000000000000000000000000								
- DOMATE HOUSE		2	256	10	268				
b. PRIVATE HOUSING		426	89	0	515	425	69	0	4
(1) ACCEPTABLY	HOUSED	0	0	0	0				
(2) ACCEPTABLE	VACANT RENTAL	0	0	0	0				
3. EFFECTIVE HOUSING D	EFICIT	0		0	0	6	33	47	
4. PROPOSED PROJECT			· · · · ·				0	70	

DD FORM (523, NOV 90

1. COMPONENT	2. DATE
<u>:</u>	ARY CONSTRUCTION PROGRAM
AIR FORCE (com	puter generated)
3. INSTALLATION AND LOCATION	4. COMMAND 5. AREA CONST
	AIR EDUCATION   COST INDEX
TYNDALL AIR FORCE BASE, FLORIDA	AND TRAINING COMMAND 0.75
6. PERSONNEL PERMAN	ENT STUDENTS SUPPORTED
STRENGTH OFF ENL	CIV   OFF   ENL   CIV   OFF   ENL   CIV   TOTAL
a. As of 30 SEP 94   793   3798	1010 69 31 29 103 5,833
b. End FY 2000   726   3643	930 69 31 29 103 5,531
7. INV	ENTORY DATA (\$000)
a. Total Acreage: ( 28,906)	
o. Inventory Total As Of: (30 S	EP 94) 241,692
c. Authorization Not Yet In Inve	entory: 2,600
d. Authorization Requested In Th	is Program: 5,500
e. Authorization Included In Fol	
f. Planned In Next Four Program	Years: 9,366
g. Remaining Deficiency:	0
h. Grand Total:	259,158
8. PROJECTS REQUESTED IN THIS PR	OGRAM: FY 1996
CATEGORY	COST DESIGN STATUS
CODE PROJECT TITLE	SCOPE (\$000) START CMPL
	TOTAL: 5,500
	in the Following Program (FY 1997) NONE
9b. Future Projects: Typical P	
711-142 REPLACE FAMILY HOUSING	115 UN 9,366 TURN KEY
responsible for training all F-1 Headquarters First Air Force, a	A fighter wing with three F-15 squadrons 5 aircrews; Air Combat Command's weapons evaluation group, and Southeast ce Civil Engineering Support Agency; and an detachment (F-16 aircraft).

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE REPLACE MILITARY FAMILY TYNDALL AIR FORCE BASE, FLORIDA | HOUSING (PHASE 2)

|5. PROGRAM ELEMENT|6. CATEGORY CODE|7. PROJECT NUMBER |8. PROJECT COST(\$000)| 5,500 8.87.41 711-142 XLWU950100B

9. COST ESTIMATES

J. CODI 2012:211				
		[ ]	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	52	54,389	2,828
SUPPORTING FACILITIES				2,137
SITE PREPARATION	LS			( 184)
ROADS AND PAVING	LS			( 275)
UTILITIES	LS			(1,103)
LANDSCAPING	LS			( 171)
SPECIAL CONSTRUCTION FEATURES	LS			( 184)
DEMOLITION	LS			(220)
SUBTOTAL	1	]		4,965
CONTINGENCY (5%)	1			248
TOTAL CONTRACT COST				5,213
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			287
TOTAL REQUEST	1			5,500
	1			
			J	
		l İ	Ì	ĺ
	1	ļ į	ĺ	ĺ
AREA COST FACTOR .75	İ.	<u> </u>	j	

|10. Description of Proposed Construction: Replace 52 housing units. Includes demolition, site clearing, new utility systems and roads, and construction of housing units. Amenities include air conditioning, carports, patios/screened porches, storage buildings, privacy fencing, playgrounds, and recreation areas.

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO	2BR	950	. 75	60	14	598,500
JNCO	3BR	1200	. 75	60	15	810,000
JNCO	4BR	1350	. 75	60	9	546,750
SNCO	3BR	1350	. 75	60	9	546,750
SNCO	4BR	1450	. 75	_60	5_	326,250
					52	2,828,250

11. REQUIREMENT: 2,044 UN ADEQUATE: 793 UN SUBSTANDARD: 1,003 UN PROJECT: Replace Military Family Housing (Ph 2). Construct 52 MFH units with all associated ancillary appurtenances, "Whole Community" facilities and all required engineering support facilities. (Current Mission). REQUIREMENT: This project is required to provide adequate Military Family |Housing (MFH) to support military members and their families assigned to Tyndall AFB. This project is Phase 2 of a multi-phased program to construct 450 MFH units and demolish 337 substandard MFH units. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample storage and a single car carport. Neighborhood enhancements will

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	i
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
TYNDALL AIR FORCE BASE, FLORIDA	
4. PROJECT TITLE 5. 1	PROJECT NUMBER
	XLWU950100B

include landscaping, playgrounds, and recreation areas.

CURRENT SITUATION: The Wherry units to be replaced were constructed in the 1950s, and have received only routine maintenance and repair since being constructed. These houses do not meet the needs nor do they provide modern amenities for today's families. Roofs, walls, foundations, and exterior pavements require major repair or replacement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring materials are outdated and have evidence of asbestos. Additionally, existing Wherry Housing housing area is located within Tyndall's airfield Accident Potential Zone One (APZ I). These factors have justified the relocation of houses to be replaced.

IMPACT IF NOT PROVIDED: Major morale problems will result because people will continue to occupy substandard housing. Because adequate, affordable off-base housing is not available, houses will continue to be occupied until they become uninhabitable. Current Housing Market Analyses shows a deficit of 248 units. Without this and subsequent phases, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement to the quality of life.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Wholehouse renovation costs were found to be approximately 80% of the replacement costs. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

		1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716					
3. DOD COMPONENT	4. REPORTING INST	ALLATION										
AIR FORCE	a. NAME				b. LOCATIO	ON						
5. DATA AS OF	TYNDAL	L AIR FORCE BASE			1	PANAMA CITY, FLORIDA						
1994												
ANALY	SIS	C	JRRENT				PROJEC	TED				
Oi		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL			
REQUIREMENTS A	ND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)			
6. TOTAL PERSONNEL STR						•						
o. Total Libouries of		886	3,052	653	4,561	769	2,844	823	4,436			
7. PERMANENT PARTY PE	RSONNEL											
7. PERMANENT PARTY PE	MONITEL	886	3.052	653	4,591	769	2,844	823	4,436			
0 00000 FAMILY HOUSE	O DECUMPENTAL	- 555	3,002	000	4,007							
8. GROSS FAMILY HOUSIN	GROSS FAMILY HOUSING REQUIREMENTS		1 000	66	2,202	445	1,517	82	2.044			
		504	1,632	00	2,202	445	1,317	02	2,044			
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)											
		60	252	13	325							
a. INVOLUNTARILY	SEPARATED											
		0	0	0	0							
b. IN MILITARY HOU	SING TO BE											
DISPOSED/REPLACED		0	0	0	0							
	OUSED IN COMMUNITY	1										
		60	252	13	325							
10. VOLUNTARY SEPARAT	ONS											
io. Tozoniani sciana	Olto	اه	0	ا ه	0	0	ا ا	اه	0			
1. EFFECTIVE HOUSING R	CHIRCHENTS						-					
II. EFFECTIVE HOUSING R	ECONEMIENTS	504	1,632	66	2,202	445	1,517	82	2,044			
12. HOUSING ASSETS (a -		307	1,002	- 55	2,202		1,017					
2. HOUSING ASSETS (8 -	- D)	453	1,396	54	1,903	406	1,325	65	1,796			
	2-0-T-0-	453	1,390	37	1,903	+00	1,323		1,730			
a. UNDER MILITARY	CONTROL	407	883	28	1,048	137	904	28	1,069			
		137	883	28	1,048	137	904	20	1,003			
(1) HOUSED IN E		40-			1 040	407		00	1,069			
OWNED/CON		137	883	28	1,048	137	904	28	1,069			
(2) UNDER CONT	RACT/APPROVED					•	ا ما		_			
						0	0	0	0			
(3) VACANT												
		0	0	0	0							
(4) INACTIVE												
		0	0	0	0							
b. PRIVATE HOUSING	3											
		316	513_	26	855	269	421	37	727			
(1) ACCEPTABLY	HOUSED											
		307	497	25	829							
(2) ACCEPTABLE	VACANT RENTAL											
fol times times and in the state		9	16	1	26							
3. EFFECTIVE HOUSING DEFICIT		<del></del>										
		51	236	12	299	39	192	17	248			
	<del></del>						1					
4. PROPOSED PROJECT							1 '					

15. REMARKS

DD FORM 1523, NOV 90

							•		
1. COMPONENT							2	. DAT	Έ
FY	1996 MILITA	RY CON	NSTRUC	TION	PROGE	MAS	1		
AIR FORCE		uter c							
3. INSTALLATION AND L	OCATION		4. CC	DIMAMM			5		A CONST
							ļ		T INDEX
MOODY AIR FORCE BASE,				OMBAT					85
6. PERSONNEL	PERMANE			UDENT			PORTE		
STRENGTH	OFF ENL			ENL	CIV	-		CIV	
a. As of 30 SEP 94	376 3199					1	11	!!	4,079
b. End FY 2000	396 3206			/6000	<u> </u>	1	11	33	4,003
	7. INVE	INTORY	DATA	(\$000	<u>,                                     </u>				
a. Total Acreage: (	5,931)	ו אם מי					٦.	31,83	:1
b. Inventory Total As								31,63 31,48	
c. Authorization Not			~~~m.				•	51,40 51	
d. Authorization Requ e. Authorization Incl				-am·	/EV 1	9971		31	د. 0
e. Authorization inci f. Planned In Next Fo			Progr	am.	(21 )				0
g. Remaining Deficien		cars.							0
g. Remaining Delicien h. Grand Total:	.cy:						1	63,82	•
8. PROJECTS REQUESTED	IN THIS DRO	GRAM.	FY 1	996				00,02	
6. FRODECIS REQUESTED CATEGORY	IN IMIO INC	oluni.				COST	DE.	SIGN	STATUS
=	ECT TITLE		٤	COPE		(\$000		TART	CMPL
			_				<u> </u>		***************************************
711-142 SENIOR OFFIC	ER HOUSING			3	UN	51	3 TU	RN KE	EY
				TOTAL	: -	51	3		
9a. Future Projects:	Included i	in the	Follo	wing	Progr	cam (F	Y 199	7) NO	ONE
9b. Future Projects:	Typical Pl	lanned	Next	Four	Years	3:			
10. Mission or Major						th two	F-16		
squadrons, an A/OA-10	squadron, a	and a (	C-130	squad	lron.				

1. COMPONENT			2. DATE
Ţ Ł. Ł. Ł. Ł. Ł. Ł. Ł. Ł. Ł. Ł. Ł. Ł. Ł.	996 MILITARY CONSTRU	ICTION PROJECT DATA	
AIR FORCE	(computer ger	erated)	
3. INSTALLATION AND L	OCATION	4. PROJECT TITLE	_
İ			
MOODY AIR FORCE BASE,	GEORGIA	SENIOR OFFICER HOUS	SING
1	CARROONE CODE 17 DE	OTECH MIMPED IO DECI	TECT COST/SOON

9. COST ESTIMATE				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
SENIOR OFFICER HOUSING	UN	3	100,496	301
SUPPORTING FACILITIES				162
SITE PREPARATION & LANDSCAPING	LS	]		( 15)
ROADS AND PAVING	LS	]		( 33)
UTILITIES	LS	1		( 23)
LANDSCAPING	LS			( 35)
GARAGES AND STORAGE	LS			( 22)
DEMOLITION, ASBESTOS, & LBP REMOVAL	LS			( <u>34</u> )
SUBTOTAL				463
CONTINGENCY (5%)		]		_23
TOTAL CONTRACT COST		]		486
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				27
TOTAL REQUEST				513
İ				
Ì	1	]		1
j	1			
1				
AREA COST FACTOR .80	<u>L</u>			

|10. Description of Proposed Construction: Replacement of one Senior |Officer unit, one General Officer unit, and construction of one Senior |Officer unit with all necessary support. Includes appliances, sitework, |utility systems, roads, parking, walkways, landscaping, and garages. |Demolish two existing SOQ's and six existing FGO units and associated |infrastructure. Includes asbestos and lead paint removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
SGO 4BR	1700	.88	60	2	179,520
GOQ 4BR	2310	.88	_60	1_	121,968
				3	301,488

11. REQUIREMENT: 7 UN ADEQUATE: 0 SUBSTANDARD: 6 UN

PROJECT: Senior Officer Housing. (Current Mission). Project includes construction of one General Officers Quarters.

REQUIREMENT: This project is required to provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the installation senior command staff. All units will meet "whole house" standards and are programmed in accordance with Phase "A" of the Housing Community Plan. The housing will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garages. Exterior parking will be provided for guests and official vehicles. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs.

1. COMPONENT			2. DATE
Ï	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
AIR FORCE	(computer generated)		
3. INSTALLATION			
MOODY AIR FORCE	E BASE, GEORGIA		
4. PROJECT TITI	LE	5. 	PROJECT NUMBER
SENIOR OFFICER	HOUSING	i	QSEU940140

Neighborhood enhancements will include landscaping of common areas. The Senior Officer housing area will be relocated to comply with the Housing Community Plan.

CURRENT SITUATION: The two housing units to be replaced were built in 1954 as enlisted duplex units and do not meet current standards for senior officer housing, nor do they provide the modern efficient home layout and amenities found in off-base communities. These units have never received major improvement since their conversion to SOQs and are showing the wear and tear of years of continuous use. The units are poorly configured and the utilities, cabinets and fixtures are all dated, substandard, and in need of replacement. The houses are constructed on concrete slabs, with wood frames. Service lines were placed beneath the concrete slab making replacement and repair difficult and expensive. Electrical, plumbing, mechanical, and structural systems need major repair, or complete replacement. Electrical systems are at maximum capacity. The roof structures require complete replacement, and the insulation, heating, and air conditioning systems are energy inefficient and need to be brought up to modern standards. The units are poorly located, are dislocated from the main housing area, and are within a high noise zone (80-85 Db) near the flightline. The HCP relocates these two SOQs to a site within the main housing area with the remaining four SOQ units, and constructs one new house to satisfy an existing deficit. Three "surplus" (but not upgradable) field grade units will be demolished to make room for this project.

IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support senior leadership. The condition of the housing will reflect poorly to the many dignitaries frequently entertained in this housing area. As the housing continues to age, accelerated deterioration of electrical, plumbing, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. Housing occupants will continue to reside in an area which does not provide normal community ammenties, or a living environment compatible with the leadership position and entertainment responsibilities of the loccupants.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is essentially a replacement project, there will be no increase in the student population or impact on the ability of local school districts to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. The cost to improve the existing housing represents 72% of the replacement cost for the same four units. This project demolishes eight housing units, replaces two, and builds one new, for a net loss of five housing units.

MILITARY FAMILY HOUSIN	G JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	NTROL SY	MBOL	
3. DDD COMPONENT	4. REPORTING INST	ALLATION								
AIR FORCE	a. NAME				DN					
5. DATA AS OF	MOODY	AIR FORCE BASE				VALDOSTA,	GA			
31 JANUARY 1992	210		CURRENT PROJEC					CTED		
ANALY		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL	
REQUIREMENTS		(a)	(b)	(c)	Id)	(e)	if)	(g)	ih)	
6. TOTAL PERSONNEL ST		(a)		107	1-1-1	,,,,			1,	
O. IDIAL PERSONNEL SI	ENGIII	348	2,219	509	3,076	285	2,031	566	2,88	
7. PERMANENT PARTY PE	RSONNEL									
		348	2,219	505	3,072	285	2,031	566	2,88	
8. GRDSS FAMILY HOUSIN	IG REQUIREMENTS									
Marin Committee		245	1,525	141	1,911	209	1,572	173	1,95	
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	1								
		12	172	20	204					
a. INVOLUNTARILY	SEPARATED									
		0	3	0	3					
b. IN MILITARY HOL		0	0	0	0					
DISPOSED/REPLA	CED HOUSED IN COMMUNITY									
C. UNACCEPTABLE	HOUSED HA CDIMINIONALL	12	189	20	201					
10. VOLUNTARY SEPARATIONS										
io. Voloniani del Aldi.	.0.10	اه	0	0	0	0	0	0		
1. EFFECTIVE HOUSING REQUIREMENTS										
		245	1,525	141	1,911	209	1,572	173	1,95	
12. HDUSING ASSETS 1a	+ b)						0.40			
		242	1,378	128	1,748	247	1,485	135	1,86	
a. UNDER MILITARY	CONTROL				304	34	270	0	30	
44) HOUSED (N. F.	VICTING DOD	34	270	0	304	34	2/0		30	
(1) HOUSED IN E		34	270	٥	304	34	270	اه	30	
	RACT/APPROVED	54	270							
(2, 0(122), 02(1)						0	0	0		
(3) VACANT										
		0	0	0	0					
(4) INACTIVE										
		0	0	0	0					
b. PRIVATE HOUSIN	G	208	4 400	128	1,444	213	1,215	135	1,56	
(1) ACCEPTABLY HOUSED		208	1,108	128	1,444	213	1,215	133	1,50	
(I) ACCEPIABLY	HOUSED	199	1,083	121	1,403					
(2) ACCEPTABLE	VACANT RENTAL		.,003	<del></del>	.,,,,,,					
12/ /1002/ //1002		9	25	7	41					
3. EFFECTIVE HOUSING D	EFICIT									
		3	147	13	163	(38)	87	38	8	
4. PROPOSED PROJECT										
						3				

15. REMARKS

9. COST ESTIMATE	S			
			UNIT	COST
   ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT FACILITY	SF	5,000	110	550
SUPPORTING FACILITIES	Ì			212
SEWER & WATER LINES	LS			( 15)
PAVEMENTS	LS			( 90)
LANDSCAPING	LS		1	(50)
DEMOLITION	LS	1		( 15)
SYSTEMS FURNITURE	LS		ļ	( <u>42</u> )
SUBTOTAL		1		762
CONTINGENCY (5%)				<u> 38</u>
TOTAL CONTRACT COST		Į.		800
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		ļ		44
TOTAL REQUEST				844
<u> </u>				
		1	:	
		1		
İ	1	ļ		
İ	1			
AREA COST FACTOR 1.10	1			

10. Description of Proposed Construction: All site preparation, drainage improvements, slab on grade, splitface concrete masonry walls, sloped standing seam metal roof, and decorative interior finishings. Project provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play lareas. Includes all utilities, parking, landscaping, and demolition.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SUBSTANDARD: 2,211 SF PROJECT: Construct Housing Management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

| CURRENT SITUATION: The existing wood frame facility was constructed in | 1976. It is poorly configured for todays housing management requirements | and is half the size required to support the assigned work force and

`	1. COMPONENT		2. DA	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA		
	AIR FORCE (computer generated)			
_	3. INSTALLATION AND LOCATION			
	MOUNTAIN HOME AIR FORCE BASE, IDAHO			
_	4. PROJECT TITLE	5.	PROJECT	NUMBER
	HOUSTING MANAGEMENT FACTILITY	1	OYZH9650	06

accompanied and unaccompanied customers. The facility nor its restrooms are handicapped accessible or equipped. Required conference area, child play area, referral assistant area, private counselling areas, reception area, and customer areas are greatly inadequate or non-existant. The housing management office provides a vital service to over 3,500 permanent party families and manages 1,521 family housing units. In addition, the office serves all base unaccompanied personnel and manages 766 dormitory rooms. The existing facility will be demolished upon completion of the replacement structure.

IMPACT IF NOT PROVIDED: Thousands of base customers will continue to be served in a facility which is half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get their first "introduction" to their new location in the existing cramped, deteriorated and unprofessional working environment. Costly and wasteful resource commitment will be necessary to keep the existing facility habitable.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

. COMPONENT									2	. DAT	E
	FY	1996	MILITA	ARY CO	NSTRUC	TION	PROGR	MAS			
IR FORCE			(comp	outer	genera	ted)					
. INSTALLATI	ON AND LO	CATIO	N		!	MMAND			5		A CONSI
					!	OBILI	TY		ļ		T INDEX
CCONNELL AIR	FORCE BA	ASE, K	ANSAS		COMMA	ND	<del></del>			0.	99
. PERSONNEL	J		ERMANI			UDENT		SUP	PORTE		
STRENGTH	اً		ENL	<del></del>	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 S	EP 94	602	3527	!	!!			2	11	148	5,199
o. End FY 200	0		3216		<u> </u>			2	11	148	4,145
				ENTORY	DATA	(\$000	)				
. Total Acre	_	3,1	-								
. Inventory					**					20,09	
. Authorizat				_						10,55	
l. Authorizat										5,19	3
. Authorizat	ion Inclu	ıded I	n Foll	Lowing	Progr	am:	(FY 1	.997)			0
. Planned In			gram Y	Years:						1	0
y. Remaining	Deficiend	ey:									0
. Grand Tota									3	35,83	4
. PROJECTS R	EQUESTED	IN TH	IS PRO	OGRAM:	FY 1	.996					
ATEGORY								COST	_		STATUS
CODE	PROJE	CT TI	TLE		<u>s</u>	COPE		(\$000	<u>) s:</u>	TART	CMPL
711-142 REPL PHA	ACE FAMII SE 2	TA HOD	SING,			39 TOTAL	UN -	5,19	_	RN KE	Y
a. Future P	rojects:	Tnal	uded :	in the	F0110					7) NO	NE
b. Future P									<u> </u>	7) 140.	1123
.0. Mission equadrons; an	or Major d an Air						_	_			

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

MCCONNELL AIR FORCE BASE, KANSAS

REPLACE FAMILY HOUSING

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) |

5,193 711-142 PRQE969021 8.87.41

9. COST ESTIMATES

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	39	81,462	3,177
SUPPORTING FACILITIES				1,511
SITE PREPARATION	LS	l l	ļ	( 317)
ROADS AND PAVING	LS	ļ .		( 172)
UTILITIES	LS	ļ <u> </u>	ļ	( 221)
LANDSCAPING	LS			( 75)
GARAGES/STORAGE/TORNADO SHELTERS	LS			( 514)
DEMOLITION/ASBESTOS/LBP REMOVAL	LS	}		(212)
SUBTOTAL	1		ļ	4,688
CONTINGENCY (5%)	ļ			234
TOTAL CONTRACT COST	ļ			4,922
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1	ļ ļ		<u> 271</u>
TOTAL REQUEST	1	!!!		5,193
	1	!!!		
		!!!		
	1	!!!		
	ļ	! !		<u> </u>
AREA COST FACTOR .99				

| 10. Description of Proposed Construction: Replace 39 housing units. Includes site preparation, utilities, roads, and landscaping. Amenities include heating, air-conditioning, floor coverings, garages, appliances, patios, and privacy fencing. Includes demolition of existing units, asbestos and lead-based paint removal.

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
SNCO	3BR	1350	1.00	60	20	1,620,000
SNCO	4BR	1450	1.00	60	11	957,000
CGO	2BR	950	1.00	60	2	114,000
CGO	3BR	1350	1.00	60	6_	486,000
		<del></del>			39	3,177,000

PROJECT: Replace 39 family housing units (Current Mission). REQUIREMENT: Project will provide modern and efficient housing for military members and their families assigned to McConnell AFB. All units will meet "whole house/neighborhood" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. Construction must include tornado shelters for occupant safety. This project complies with the Housing Community Plan (HCP).

| CURRENT SITUATION: This project replaces Capehart housing units which are over 37 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families. Concrete carports pads and walks are cracking and heaving, and carport support posts are rotting. The exterior

1. COMPONENT			2. DATE
	1996 MILITARY CONSTRUCTION PROJECT	DATA	
AIR FORCE	(computer generated)		
3. INSTALLATION AND	LOCATION		
MCCONNELL AIR FORCE	BASE, KANSAS		
4. PROJECT TITLE		5.	PROJECT NUMBER
REPLACE FAMILY HOUS	ING	1	PRQE969021

brick veneer is cracking due to foundation failure. Settlement has allowed termite intrusion, and extensive termite damage is evident. Bathroom plumbing and fixtures require replacement. Plumbing and electrical systems are antiquated and do not meet current safety codes or efficiency standards. Lighting systems throughout the houses are inefficient and do not meet modern needs. Off street parking is severely limited causing traffic congestion. Traffic flow in and around the housing area is inefficient. The units contain asbestos and lead paint which can be a health hazard to the occupants.

IMPACT IF NOT PROVIDED: Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since suitable off-base housing is not available. The current Housing Market Analysis shows an off-base deficit of 632 units. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

MILITARY FAMILY HOUSIN	IG JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO		MBOL
3. DOD COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE	a. NAME				b. LOCATIO	ON			
5. DATA AS OF 1990	McCON	NELL AIR FORCE BASE			WICHITA, KANSAS				
ANAL	/SIS	C	URRENT				PROJEC	TED	
0	F	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL ST	RENGTH	418	2,082	578	3,078	378	522	1,884	2,78
7. PERMANENT PARTY PE	RSONNEL	418	2,082	578	3,078	378	1,884	522	2,78
8. GROSS FAMILY HOUSE	NG REQUIREMENTS	318	1.635	196	2,149	288	1,608	191	2.087
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)	15	503	91	609				
a. INVOLUNTARILY	SEPARATED	0	5	2	7				
b. IN MILITARY HOL DISPOSED/REPLA		0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY			498	89	602				
10. VOLUNTARY SEPARATIONS		1	26	4	31	1	25	4	30
11. EFFECTIVE HOUSING F	REQUIREMENTS	318	1,635	196	2,149	287	1,583	187	2,057
2. HOUSING ASSETS (a	+ b)	308	1,131	103	1,542	272	1,069	84	1,42
a. UNDER MILITARY	CONTROL	96	391	0	487	96	493	0	58
(1) HOUSED IN E OWNED/COI		95	384	0	479	96	493	o	58
(2) UNDER CON	TRACT/APPROVED					0	0	О	
(3) VACANT		t	7	0	8				
(4) INACTIVE	-	o	0	0	0				
b. PRIVATE HOUSIN		212	740	103	1,055	176	576	84	83
(1) ACCEPTABLY		207	722	101	1,030				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	VACANT RENTAL	5	18	2	25				
3. EFFECTIVE HOUSING D	PEFICIT	11	511	93	615	15	514	103	63:
4. PROPOSED PROJECT						8	31	-	3

15. REMARKS

DD FORM 1523, NOV 90

1. COMPON	JENT							2.	DATE	E
	FY	1996 MILIT	ARY CO	NSTRUC	TION F	ROGR	MA	ļ		
AIR FORCE			puter o	genera	ted)					
. INSTAI	LATION AND LO	CATION		4. CC	DINAMM			5.		A CONSI
BARKSDALF	E AIR FORCE BA	ASE,								r INDEX
LOUISIANA	1				OMBAT				0.8	34
. PERSON	INEL	PERMAN			UDENTS			PORTE	<del></del>	
STRENG	-	OFF ENL		OFF		CIV			CIV	
<del>-</del>	30 SEP 94	934 4925	•	•	132	:	3	5		7,282
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			ENTORY	DATA	(\$000)	·		<del></del>		
	Acreage: (	22,382)	ווס מש					21	36,084	1
	tory Total As			•					50,680	
	rization Not : rization Requ			aram.					LO,299	
	rization Requirization Incl				ram: (	(FY 1	.997)		10,092	
	ed In Next Fo			11091		,	,	-		5
	ning Deficien	_	rearb.						(	5
n. Grand	_	-1.						30	07,15	5
	CTS REQUESTED	IN THIS PR	OGRAM:	FY 1	.996					
CATEGORY							COST	DES	SIGN S	STATUS
CODE		ECT TITLE		9	COPE		(\$000)	S'	TART	CMPL
				_	<u> </u>					
711-142	REPLACE MILI	rary family	7		62	UN	10,299	וטיד פ	RN KE	Y
	HOUSING (PH	ASE 3)				_		_		
	HOUSING (PH				TOTAL:	-	10,29			
9a. Futı	HOUSING (PHure Projects:		in the	Follo		-	am (F	199	7)	
	•	Included		Follo		Progi		199	7) RN KE	Y
	ure Projects:	Included		Follo	owing I	Progi UN	am (F)	( 199 2 TU		Y
711-142	ure Projects: REPLACE MILI HOUSING (PH	Included TARY FAMILY ASE 4)			owing I 108 TOTAL	Progr UN -	am (F)	( 199 2 TU		Y
711-142 9b. Futi	ure Projects: REPLACE MILI HOUSING (PH	Included TARY FAMILY ASE 4) Typical F	lanned	Next	TOTAL:	Progr UN : Years	10,092	( 199° 2 TU	RN KE	
711-142 9b. Futi 10. Mis:	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major	Included TARY FAMILY ASE 4)  Typical F Functions:	Planned Head	Next quart	TOTAL: Four Years Eigen	Progr UN : Years	am (F) 10,092 10,092 3: Air F	199° 2 TU	a fl	ying
711-142  9b. Future 10. Misswing with	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  8-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Misswing witl  B-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Misswing witl  B-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  8-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  8-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Misswing witl  3-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  Pb. Future  10. Miss  wing with  3-52 aire	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  Pb. Future  LO. Miss  wing with  3-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  Pb. Future  10. Miss  wing with  3-52 aire	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Misswing witl  3-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Misswing witl  3-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  8-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  8-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  8-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Misswing witl  B-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  B-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  B-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future 10. Miss	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  B-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing
711-142  9b. Future  10. Miss  wing witl  8-52 airc	ure Projects: REPLACE MILI HOUSING (PH ure Projects: sion or Major h three B-52 crews; and an	Included TARY FAMILY ASE 4)  Typical F Functions: squadrons,	Planned Head one of	Next quarte	TOTAL: Four Years Eight is re	Progr UN : Years ghth espor	10,092 10,092 10,092 3: Air Fonsible	199° TUI	a fl	ying ing

1. COMPONENT			2. DATE
T FY	1996 MILITARY CONSTRU	JCTION PROJECT DATA	
AIR FORCE	(computer ger	nerated)	
3. INSTALLATION AND	LOCATION	4. PROJECT TITLE	
İ		REPLACE MILITARY FAM:	LLY
BARKSDALE AIR FORCE	BASE, LOUISIANA	HOUSING (PHASE 3)	<u></u>

9. COST ESTIMATES						
	1		UNIT	COST		
ITEM	U/M	QUANTITY	COST	(\$000)		
REPLACE MILITARY FAMILY HOUSING-PH-3	UN	62	54,418	3,374		
SUPPORTING FACILITIES				5,923		
MISCELLANEOUS SUPPORT	LS	]		( 226)		
SITE PREPARATION	LS			( 301)		
ROADS AND PAVING	LS			( 207)		
UTILITIES	LS			( 307)		
LANDSCAPING	LS	]		( 160)		
RECREATION	LS			( 140)		
UTILITY RELOCATIONS TO THE SITE	LS			( 4,187)		
GARAGES AND STORAGE	LS			( <u>395</u> )		
SUBTOTAL	1			9,297		
CONTINGENCY (5%)				465		
TOTAL CONTRACT COST				9,762		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			537		
TOTAL REQUEST				10,299		
	1	]				
	1	]				
AREA COST FACTOR .86		<u> </u>				

| 10. Description of Proposed Construction: Design and construct 31 duplex | Family Housing units with all necessary supporting facilities. Includes: | site development, utilities, roads and parking, sidewalks and street | lighting, garages with storage, patios, privacy fencing, air conditioning, | appliances, exterior storage, recreation and play areas, tot lots, | neighborhood improvements, landscaping, and all other necessary support.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.88	60	42	2,106,720
JNCO 3BR	1200	.88	_60	20	1,267,200
				62	3,373,920

| 11. REQUIREMENT: 3,671 UN ADEQUATE: 1,960 UN SUBSTANDARD: 427 UN | PROJECT: Replace Military Family Housing (Phase 3). (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents stationed at | Barksdale AFB. All units will meet "whole house" standards and are | programmed in accordance with the Housing Community Plan. This is the | third of multiple phases to provide adequate housing for base personnel. | This housing will provide a safe, comfortable, and appealing living | environment comparable to the off-base civilian community. The units will | provide a modern kitchen, living room, dining room, and bath | configuration, with ample interior and exterior storage and garages. | Parking will be provided for a second vehicle and/or visitors. The | neighborhood support infrastructure will be constructed to meet modern | housing needs. Neighborhood enhancements will include landscaping,

1. COMPONENT			2. DA	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	AT.		
AIR FORCE	(computer generated)			
3. INSTALLATION A	ND LOCATION			
BARKSDALE AIR FOR	CE BASE, LOUISIANA			
4. PROJECT TITLE		5. 1	PROJECT	NUMBER
REPLACE MILITARY	FAMILY HOUSING (PHASE 3)	1 7	AWUB9670	001

playgrounds, and recreation areas.

CURRENT SITUATION: This initiative replaces housing units to partially satisfy a housing deficit created by the prior demolition (1989) of over 600 units declared uninhabitable due to condition. The result is a severe shortage of housing on the base. According to the most recent Housing Market Analysis, a substantial number of families are unsuitably housed in off-base accommodations. Investigations determined that these families either live in housing below DoD standards, or in housing meeting DoD standards BUT exceeding their maximum housing allowance. With construction of 200 units in the FY94 and 95 programs, the base has a remaining deficit of 1286 units.

IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending assignment to base units. The base will continue to have a severe shortage of on-base housing which forces families to live elsewhere. The impact is major morale and/or financial problems for the affected families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. Since this is essentially replacement housing, and these families are already located in the community, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. The local school authority concurs that no additional school construction will be required. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will include options for accomplishment with Phase 4 in the FY97 program.

		1. DATE OF REPORT (YYMMDD)			2. FISCAL YEAR 1996		REPORT CONTROL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT	4. REPORTING INST	FALLATION			1		-h		•	
5. DATA AS OF	a. NAME BARKSE	The state of the s				b. LOCATION SHREVEPORT, LOUISIANNA				
31 JANUARY 1992 ANAL	veie	CURRENT					PROJEC	TEO		
	1313 )F	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL	
REQUIREMENTS	•	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
6. TOTAL PERSONNEL ST		1-7		1-7	1,		1		···/	
		1,036	3,670	1,006	5,712	893	3,330	1,328	5,55	
7. PERMANENT PARTY P	ERSONNEL	4.000	0.070	4.000	5 740	200	2 222	4.000		
0.0000.54144.7.110116	NO RECUMPEMENTO	1,036	3,670	1,006	5,712	893	3,330	1,328	5,55	
8. GROSS FAMILY HOUSI	NG REQUIREMENTS	819	3,502	381	4,642	703	2,659	459	3,82	
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)	138	1,002	171	1,311					
a. INVOLUNTARILY	SEPARATED	4	4	5	13					
b. IN MILITARY HD		0	0	0	0					
DISPOSED/REPLA	HOUSED IN COMMUNIT			0	Ŭ					
C. DIVACCEI TABLE	TIOODED IN COMMONIT	134	998	166	1,298					
O. VOLUNTARY SEPARA	TIONS	8	132	16	156	8	120	22	15	
1. EFFECTIVE HOUSING	REQUIREMENTS	819	3,502	381	4,642	695	2,539	437	3,67	
2. HOUSING ASSETS (a	+ b)	684		171	2,691	578				
a. UNDER MILITARY	CONTROL	084	1,836	171	2,091	3/6	1,433	174	2,18	
a. UNDER MILITARY	CONTROL	197	316	اه	429	105	324	اه	42	
(1) HOUSED IN	EXISTING DOD						7.0			
DWNED/CD		197	316	0	429	105	324	0	42	
(2) UNDER CON	TRACT/APPROVED					0	0	0		
(3) VACANT		0	0	0	0		-	<u> </u>		
(4) INACTIVE					7					
b. PRIVATE HOUSIN	10	0	0	0	0					
B. PRIVATE HOUSIN		487	1,520	171	2,178	473	1,109	174	1,75	
(1) ACCEPTABL	Y HOUSED	476	1,485	166	2,127					
(2) ACCEPTABLE	VACANT RENTAL									
3. EFFECTIVE HOUSING D	DEFICIT	11	35	5	51					
4. PROPOSED PROJECT		135	1,099	182	1,416	117	1,106	263	1,48	
+. FRUPUSED PROJECT						0	62	0	ε	

DD FORM 1523, NOV 90

		·				
1. COMPONENT				2. DATE		
FY	1996 MILITARY C	ONSTRUCTION PRO	GRAM	1		
AIR FORCE	(computer	generated)				
3. INSTALLATION AND L	OCATION	4. COMMAND		5. AREA CONST		
		AIR EDUCATION		COST INDEX		
KEESLER AIR FORCE BAS	E, MISSISSIPPI	AND TRAINING	COMMAND	0.84		
6. PERSONNEL	PERMANENT	STUDENTS	SUPPOR	RTED		
STRENGTH	OFF ENL CIV	OFF   ENL   CI	V OFF EN	IL  CIV  TOTAL		
a. As of 30 SEP 94	964 3874 228	0  594  2162	7  3	347  97  10,325		
b. End FY 2000	991 3900 215	2 558 2613	7 3	347 97 10,665		
	7. INVENTOR	Y DATA (\$000)				
a. Total Acreage: (	3,546)					
b. Inventory Total As	Of: (30 SEP 94	) .		280,071		
c. Authorization Not	c. Authorization Not Yet In Inventory: 18,100					
d. Authorization Requested In This Program: 9,300						
e. Authorization Included In Following Program: (FY 1997) 6,500						
f. Planned In Next For		:		0		
g. Remaining Deficien	cy:			0		
h. Grand Total:	79 · · · · · · · · · · · · · · · · · · ·			313,971		
8. PROJECTS REQUESTED	IN THIS PROGRAM	: FY 1996				
CATEGORY			COST	DESIGN STATUS		
CODE PROJ	ECT TITLE	SCOPE	<u>(\$000)</u>	START CMPL		
711-142 REPLACE MILI		98 UN	9,300	TURN KEY		
HOUSING (PH	ASE 1)			ļ		
		TOTAL:	9,300			
9a. Future Projects:				•		
711-142 REPLACE MILI		76 UN	6,500	TURN KEY		
HOUSING (PH	ASE 2)	mom1.		ļ		
		TOTAL:	6,500			
9b. Future Projects:	Typical Planne	d Next Four Yea	rs:			

| 10. Mission or Major Functions: Headquarters Second Air Force; a | training wing responsible for communications, electronics, and | administrative courses and a C-12/C-21 airlift squadron responsible for | aircrew training; an Air Force Materiel Command engineering installation | squadron; an Air Force Reserve airlift wing with one C-130 airlift | squadron and one WC-130 weather reconnaissance squadron; and a major Air | Force medical center.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION 4. PROJECT TITLE	
REPLACE MILITARY FA	MILY
KEESLER AIR FORCE BASE, MISSISSIPPI HOUSING (PHASE 1)	
5. PROGRAM ELEMENT   6. CATEGORY CODE   7. PROJECT NUMBER   8. PROJ	ECT COST(\$000)
i i i	

711-142

MAHG964001

9. COST ESTIMATES							
			UNIT	COST			
ITEM	U/M	QUANTITY	COST	(\$000)			
REPLACE FAMILY HOUSING	UN	98	49,020	4,804			
SUPPORTING FACILITIES				3,591			
UTILITIES/EMCS/COMM	LS	<b> </b>		( 497)			
SITE IMPROVEMENTS	LS			( 549)			
PAVEMENTS	LS			( 591)			
DEMOLITION	LS	]		( 687)			
LANDSCAPING	LS			( 356)			
RECREATION	LS			( 536)			
NEIGHBORHOOD IMPROVEMENTS	LS		ļ	( <u>375</u> )			
SUBTOTAL		]	ļ	8,395			
CONTINGENCY (5%)	1		ļ	420			
TOTAL CONTRACT COST		]		8,815			
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		]	ļ	485			
TOTAL REQUEST				9,300			
	ļ		ļ	ļ			
	!	! !	ļ	ļ			
		!	ļ	ļ			
AREA COST FACTOR .84		ll					

10. Description of Proposed Construction: Replace 98 housing units. Work includes all site work, utility & sewage systems, pavements to include off-street parking, walks, and required street improvements, comm support, ancillary appurtenances such as signage, screens & walls, and community facilities such as commons, parks, ballfields, and play areas. Includes demolition, asbestos and lead-based paint removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR_	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.86	60	98	4,803,960
				98	4,803,960

1,613 UN REQUIREMENT: 5,259 UN ADEQUATE: 2,840 UN SUBSTANDARD: PROJECT: Replace Military Family Housing (Ph 1). Replace 98 MFH units with all associated ancillary appurtenances, "Whole Community" facilities, and all required engineering support facilities. (Current Mission). REQUIREMENT: This work is required to replace aged housing which is inefficently designed, inadequately appointed, improperly sited, obsolete in its configuration and engineering systems, and generally not useful. All units will meet "whole house" and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample storage and a single car garage. Neighborhood enhancements will include landscaping, playgrounds, and park areas.

9,300

8.87.41

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	•
KEESLER AIR FORCE BASE, MISSISSIPPI	
4. PROJECT TITLE   5. PR	OJECT NUMBER
REPLACE MILITARY FAMILY HOUSING (PHASE 1) MA	MG964001

CURRENT SITUATION: The existing units are unable to adequately meet contemporary Air Force design standards in their current configuration and condition. They are similarly unable to support efficient continued use if a major upgrade project is not implemented due to their numerous deficiencies, many of which simply cannot be overcome with improvements to to existing facilities. Roofs, walls, and foundations require replacement. Plumbing and electrical systems are antiquated and do not meet current standards for safety or efficiency. All rooms are small and do not have necessary storage, cabinets, and fixtures. Heating and air conditioning systems require replacement. IMPACT IF NOT PROVIDED: Adequate housing will not be provided consistent with the requirements of the "Whole House, Whole Community" initiative for the design and construction of housing and support facilities in the housing vicinity. Major morale problems will result if this replacement initiative is not supported. People will continue to occupy substandard housing. The current Housing Market analysis shows a projected deficit of

806 units. Affordable off-base housing is not available.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This project is consistent with Keesler's Military Family Housing Community Development Plan and is the first phase of a multi-phased initiative to replace 34 units in Shadowlawn and 136 units in South Harrison Court. Phase 2 is programmed for FY 97. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

The state of the s		1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	2. FISCAL YEAR REPORT CONTROL SYMBO 1996 DD-A&LIARI1716						
3. DOD COMPONENT	4. REPORTING INST	ALLATION										
AIR FORCE	a. NAME				b. LOCATIO	ON						
5. DATA AS OF 1993	KEESLEF	R AIR FORCE SASE				BILOXI, MISS	isissippi					
ANAL	/SIS	С	URRENT				PROJEC	TED				
0	F	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL			
REQUIREMENTS	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(gl	(h)			
6. TOTAL PERSONNEL ST	S. TOTAL PERSONNEL STRENGTH		3,929	2,430	7,627	1,373	4,593	3,209	9,17			
7. PERMANENT PARTY PE	RSONNEL	1,268	3,929	2,430	7,627	1,373	4,593	3,209	9,17			
3. GROSS FAMILY HOUSING REQUIREMENTS		940	3,215	372	4,527	1,018	3,758	483	5,25			
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		187	581	65	833							
a. INVOLUNTARILY SEPARATED		0	0	0	0							
b. IN MILITARY HDUSING TO BE DISPOSED/REPLACED		0	0	0	0							
	HDUSED IN COMMUNITY	187	581	65	833							
10. VOLUNTARY SEPARA	TIONS	0	0	0	0	0	0	0	(			
11. EFFECTIVE HOUSING I	REQUIREMENTS	940	3,215	372	4,527	1,018	3,758	483	5,259			
12. HOUSING ASSETS (a	+ b)	869	3,105	355	4,329	851	3,121	481	4,453			
a. UNDER MILITARY	CONTROL	287	1,470	196	1,953	287	1,470	196	1,95			
(1) HDUSED IN	EXISTING DDD											
DWNED/CD		287	1,470	196	1,953	287	1,470	196	1,95			
(2) UNDER CON	TRACT/APPRDVED					0	0	0				
(3) VACANT		o	0	0	0							
(4) INACTIVE		0	0	0	0							
b. PRIVATE HOUSIN	IG	582	1,635	159	2,376	564	1,651	285	2,50			
(1) ACCEPTABL	Y HDUSED	466	1,164	111	1,741							
(2) ACCEPTABL	E VACANT RENTAL	116	471	48	635							
13. EFFECTIVE HOUSING I	DEFICIT	71	110	17	198	167	637	2	80			
14. PROPOSED PROJECT					b.	0	98	0	9			
15. REMARKS						-	1					

15. NEWANK

1. COMPONENT					· · · · · · · · · · · · · · · · · · ·				2. DATE		
i. Comfonditi	FY 19	96 MII	LITARY	CONSTRU	CTION	PROGE	MAS	i			
AIR FORCE				er gener				i			
3. INSTALLATION	AND LOCA				OMMAND				5. A	REA	CONST
				i				i	C	OST	INDEX
WHITEMAN AIR FO	RCE BASE,	MISSO	OURI	AIR	COMBAT	COM	IAND	Ĺ		1.05	5
6. PERSONNEL	1		MANENT		TUDENT	s	SUP	PORT	ED		
STRENGTH	0	FF EN	NL   C	V OF	ENL	CIV	OFF	ENL	CI	V 7	LATO
a. As of 30 SEP	94 4	42 30	002  6	71			9		3   16		4,325
b. End FY 2000	3	06 24	495	87		<u> </u>	29	3	3   16	8	3,618
		7. ]	INVENT	RY DATA	\$ (\$000	)					
a. Total Acreag	•	4,958)									
b. Inventory To									562,		
c. Authorizatio									118,		
d. Authorizatio	n Request	ed In	This I	Program	:				-	948	
e. Authorizatio	n Ingludo	J 7 T									
					gram:	(FY 1	L997)		9,	451	
f. Planned In N	ext Four				gram:	(FY 1	L997)		9,	0	
f. Planned In N g. Remaining De	ext Four : ficiency:				gram:	(FY I	L997)			0 0	
<pre>f. Planned In N g. Remaining De h. Grand Total:</pre>	ext Four :	Progra	am Yea:	s:		(FY 1	L997)		9, 699,	0 0	
<ul><li>f. Planned In N</li><li>g. Remaining De</li><li>h. Grand Total:</li><li>8. PROJECTS REQ</li></ul>	ext Four :	Progra	am Yea:	s:		(FY 1			699,	0 0 <u>671</u>	
f. Planned In Ng. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY	ext Four ficiency:	Progra	PROGR	s:	1996	(FY 1	COST	<u>D</u>	699, ESIG	0 0 671 N S	TATUS CMDI
<ul><li>f. Planned In N</li><li>g. Remaining De</li><li>h. Grand Total:</li><li>8. PROJECTS REQ</li></ul>	ext Four :	Progra	PROGR	s:		(FY 1		<u>D</u>	699,	0 0 671 N S	TATUS CMPL
f. Planned In Ng. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE	ext Four ficiency: UESTED IN PROJECT	Progra THIS TITLE	PROGRA	m: FY	1996 SCOPE		COST (\$000	<u>D</u>	699, ESIG STAR	0 671 N ST	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR	ext Four ficiency:  UESTED IN  PROJECT	THIS TITLE	PROGRA	cs: AM: FY	1996 SCOPE	UN	COST (\$000	<u>D</u>	699, ESIG STAR	0 671 N ST	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR	ext Four ficiency: UESTED IN PROJECT	THIS TITLE	PROGRA	cs: AM: FY	1996 SCOPE	UN	COST (\$000	<u>D</u> ) 8 T	699, ESIG STAR	0 671 N ST	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR HOUSI	ext Four ficiency:  DUESTED IN  PROJECT  DUCT MILIT	THIS TITLE ARY FA	PROGRA	SIT'N	1996 SCOPE 72 TOTAL	UN -	COST (\$000 9,94	<u>D</u> ) 8 T	699, ESIG STAR URN	0 671 N ST	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR HOUSI 9a. Future Pro	ext Four ficiency:  DESTED IN  PROJECT  OUCT MILIT  ONG (PH 1)	THIS TITLE ARY FA /LAND	PROGRI	SIT'N	1996 SCOPE 72 TOTAL	UN : Progi	COST (\$000 9,94 9,94 ram (F	<u>D</u> ) 8 T 8	699, ESIG STAR URN	0 671 N ST T KEY	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR HOUSI 9a. Future Pro 711-142 CONSTR	ext Four ficiency:  DUESTED IN  PROJECT  DUCT MILIT ING (PH 1)  DJects: I	THIS TITLE ARY FA /LAND nclude	PROGRI	SIT'N	1996 SCOPE 72 TOTAL	UN -	COST (\$000 9,94 9,94 ram (F	<u>D</u> ) 8 T	699, ESIG STAR URN	0 671 N ST T KEY	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR HOUSI 9a. Future Pro 711-142 CONSTR	ext Four ficiency:  DESTED IN  PROJECT  OUCT MILIT  ONG (PH 1)	THIS TITLE ARY FA /LAND nclude	PROGRI	SIT'N	1996 SCOPE 72 TOTAL	UN : Progi	COST (\$000 9,94 9,94 ram (F	<u>D</u> ) 8 T 8 Y 19 1 T	699, ESIG STAR URN	0 671 N ST T KEY	, , , , , ,
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR HOUSI 9a. Future Pro 711-142 CONSTR HOUSI	ext Four ficiency:  DUESTED IN  PROJECT  DUCT MILIT NG (PH 1)  DIECTS: IN  DUCT MILIT NG (PHASE	THIS TITLE ARY FA /LAND nclude ARY FA	PROGRA	AM: FY	1996 SCOPE 72 TOTAL lowing 76 TOTAL	UN : Progr UN -	COST (\$000 9,94 9,94 ram (F 9,45	<u>D</u> ) 8 T 8 Y 19 1 T	699, ESIG STAR URN 97)	0 671 N ST T KEY	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR HOUSI 9a. Future Pro 711-142 CONSTR HOUSI	ext Four ficiency: ficiency:  PROJECT  OUCT MILIT NG (PH 1)  OJECTS: INCOME INC	THIS TITLE ARY FA /LAND nclude ARY FA 2)	PROGRA  E  AMILY  ACQUIA  AMILY  AMILY	SIT'N the Fol	1996  SCOPE  72  TOTAL lowing 76  TOTAL t Four	UN : Progri UN : :	COST (\$000 9,94 9,94 cam (F 9,45 9,45	D) 8 T 8 Y 19 1 T	699, ESIG STAR URN 97) URN	0 671 N ST T KEY	
f. Planned In N g. Remaining De h. Grand Total: 8. PROJECTS REQ CATEGORY CODE 711-142 CONSTR HOUSI 9a. Future Pro 711-142 CONSTR HOUSI	ext Four ficiency: ficiency: ficiency:  PROJECT  OUCT MILITEMS (PH 1) FICT MILITEMS (PHASE FICT MILITEMS (PHASE FICT MAJOR FU	THIS TITLE ARY FA /LAND nclude ARY FA (2)	PROGRA  E  AMILY  ACQUI:  AMILY  I Plan  ns: A	AM: FY SIT'N the Followed Nex bomb w	1996  SCOPE  72  TOTAL lowing 76  TOTAL t Four	UN : Progr UN : Years	COST (\$000 9,94 9,94 ram (F 9,45 9,45 s:	D 8 T 8 Y 19 1 T	699, ESIG STAR URN 97) URN	0 0 671  N ST  KEY  KEY	

inactive by FY 96/1) with HH-1 aircraft; and an Air Force Reserve fighter

|wing with one A/AO-10 squadron.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONS	STRUCTION PROJECT DATA
AIR FORCE (computer	generated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
	CONSTRUCT MILITARY FAMILY
WHITEMAN AIR FORCE BASE, MISSOURI	HOUSING (PH 1)/LAND ACQUISIT'N
IS DECEDAM ELEMENTIS CATEGORY CODE 7	DECTROT NUMBER   8 DECTROT COST (\$000)

8.87.41 711-142 YWHG969400 9,948

9. COST ESTIMATES

J. COST ESTIMATE	<u> </u>			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
MILITARY FAMILY HOUSING (PH 1)/LAND	UN	72	72,787	5,241
SUPPORTING FACILITIES				3,740
MISCELLANEOUS SUPPORT	LS			( 205)
GARAGES AND STORAGE	LS			( 477)
SITE PREPARATION	LS			( 395)
ROADS AND PAVING	LS			( 692)
UTILITIES	LS			( 580)
LANDSCAPING	LS			( 250)
RECREATION	LS			( 181)
BASEMENTS	LS		ĺ	( 410)
LAND ACQUISITION	LS	i	İ	(550)
SUBTOTAL		1		8,981
CONTINGENCY (5%)	1 1	j	İ	449
TOTAL CONTRACT COST	1 1	j		9,430
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1 1	ĺ		519
TOTAL REQUEST	1 1			9,948
	1 1	ĺ	Ì	į
AREA COST FACTOR 1.05				İ

| 10. Description of Proposed Construction: Design and construct 72 single | or duplex family housing units with all necessary support. Includes: | land acquisition, site development, utilities, roads, parking, sidewalks, | street lighting, garages, storage, patios, privacy fencing, air | conditioning, appliances, recreation and play areas, tot lots, | neighborhood improvements, landscaping, and all other necessary support.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR_	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.06	60	38	2,295,960
JNCO 3BR	1350	1.06	60	30	2,575,800
JNCO 4BR	1450	1.06	<u>60</u>	4_	368,880
				72	5,240,640

11. REQUIREMENT: 3,347 UN ADEQUATE: 1,757 UN SUBSTANDARD: 991 UN PROJECT: Construct Military Family Housing (Phase 1) and acquire required land for development. (New Mission)

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Whiteman AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the first of multiple phases to provide adequate housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure

will be constructed to meet modern housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. Land acquisition (149 acres) is required for construction of the new housing area, and is sited directly adjacent to the existing housing area, and is an unemcumbered, privately owned land parcel.

CURRENT SITUATION: The rural community surrounding Whiteman AFB does not have sufficient, adequate housing assets to support existing requirements. The latest Housing Market indicates a deficit of 599 housing units. The deficit is significant for Junior NCO grades. These are the families who can least afford to live off-base. Off-base housing is very difficult to find, and expensive. No land is available within current base boundaries to support construction of additional homes.

IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending assignment to base units. The base will continue to have a severe shortage of on-base housing which forces families to live elsewhere. The impact is major morale and/or financial problems for the affected families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic lanalysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will be included as an option for accomplishment of Phase 2 in the FY97 program.

Mile III III III III III III III III III I		1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR		REPORT CONTROL SYMBOL DD-A&L(AR)1716				
3. DOD COMPONENT	4. REPORTING INST	ALLATION										
AIR FORCE 5. DATA AS OF	a. NAME WHITEM	IAN AIR FORCE BASE			b. LOCATI	ON KNOB NOSTER, MISSOURI						
1992							DOG IFACTO					
ANALY			JRRENT				PROJEC					
0		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL			
REQUIREMENTS		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)			
6. TOTAL PERSONNEL ST	RENGTH	462	1,948	582	2,992	641	3,509	1,048	5,19			
7. PERMANENT PARTY PE	RSONNEL	462	1,948	582	2,992	641	3,509	1,048	5,19			
B. GROSS FAMILY HOUSI	NG REQUIREMENTS	141	929	32	1,102	398	2.647	302	3,34			
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)		·		124	550	2,041	501	0,011			
a. INVOLUNTARILY	SEPARATED	12	80	32								
		0	0	0	0							
b. IN MILITARY HOU DISPOSED/REPLA		o	0	0	o							
	HOUSED IN COMMUNITY	12	80	32	124							
0. VOLUNTARY SEPARAT	TIONS	0	0	0	0	0	0	0				
1. EFFECTIVE HOUSING F	REQUIREMENTS	141	929	32	1,102	398	2,647	302	3,34			
2. HOUSING ASSETS (a	+ b)	275	1,389	135	1,799	379	2,165	204	2,74			
a. UNDER MILITARY	CONTROL	129	849	0	978	132	859	0	99			
(1) HOUSED IN E		129	849	0	978	132	859	0	99			
	TRACT/APPROVED					0	0	0	(			
(3) VACANT		0	0	0	0							
(4) INACTIVE		0	0	0	0							
b. PRIVATE HOUSIN	G	146	540	135	821	247	1.306	204	1,75			
(1) ACCEPTABLY	/ HOUSED	140	0.40		72.7		, ,,,,,,,		.,,,			
(2) ACCEPTABLE	VACANT RENTAL											
3. EFFECTIVE HOUSING D	DEFICIT	12	80	32	124	19	482	98	599			
4. PROPOSED PROJECT			30	2.0		0	72	0	7:			

15. REMARKS

DD FORM 1523, NOV 98

1. COMPONENT									:	2. DATE		
	FY	1996	MILITA	RY COL	STRUC	TION I	PROGE	MAS	ļ			
AIR FORCE			(comp	uter o	genera	ted)						
3. INSTALLATIO	ON AND LO	CATIO	N		4. CC	DINAMM			!	5. AREA CONST		
									ļ	COS	T INDEX	
NELLIS AIR FOR	RCE BASE,					OMBAT					11	
6. PERSONNEL	1		ERMANI			UDENT			PORT		-	
STRENGTH	1	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL			
a. As of 30 SI	EP 94	891	6317	ļ.			ļ ļ	8		7   254		
b. End FY 2000	)	775		838				8	2	7 254	7,293	
		7	. INV	ENTORY	DATA	(\$000)	)					
a. Total Acres	age: (	24,4	19)									
b. Inventory !	rotal As	Of:	(30 SI	EP 94)	•.					375,96		
c. Authorizat:				-						11,48	30	
d. Authorizat:										1,35	57	
e. Authorizat:	ion Inclu	ded I	n Foll	Lowing	Progr	am:	(FY 1	1997)			0	
f. Planned In	Next Fou	r Pro	gram :	<i>l</i> ears:							0	
g. Remaining 1	Deficienc	у:									0	
h. Grand Tota										388,80	0	
8. PROJECTS R	EQUESTED	IN TH	IS PRO	GRAM:	FY 1	.996						
CATEGORY								COST			STATUS	
CODE	PROJE	CT TI	TLE		<u> </u>	COPE		(\$000	<u>)</u>	START	CMPL	
  711-142	ACE SENTO	R OFF	TCER I	OUSTN	3	6	UN	1,35	7 T	JRN KI	EY	
/11 11 KUI	102 02.120					TOTAL	_	1,35				
9a. Future P	rojects:	Incl	uded :	in the	Follo	wing	Proqi	cam (F	Y 19	97) NO	ONE	
9b. Future P												
10. Mission									ing	wing t	hat	
includes the												
fighter squad												

| 10. Mission or Major Functions: Air Warfare Center; a flying wing that | includes the Weapons School (A-10, F-15, F-15E, and F-16 aircraft), a | fighter squadron, an adversary threat group (Red Flag), a test squadron | (F-4G, F-15 and F-16 aircraft), the USAF Air Demonstration Squadron | (Thunderbirds), and a HH-60 rescue squadron; Air Force Combat Rescue | School; a joint training unit (Air Warrior); a RED HORSE Squadron; and an | Air Force Materiel Command Munitions Squadron.

1.	COMPONENT		12.	DATE
<u>,</u> †		FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
AI	R FORCE	(computer generated)		

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

NELLIS AIR FORCE BASE, NEVADA

REPLACE SENIOR OFFICER HOUSING

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000)

8.87.41 711-142 RKMF964002 1,357

9. COST ESTIMATES

J. CODI EDITIMITE				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE SENIOR OFFICER HOUSING	UN	6	131,157	787
SUPPORTING FACILITIES				438
SITE PREPARATION	LS			( 46)
ROADS AND PAVING	LS			( 89)
UTILITIES	LS			( 75)
LANDSCAPING	LS			( 48)
GARAGES & STORAGE	LS			( 90)
DEMOLITION, ASBESTOS & LBP REMOVAL	LS			(90)
SUBTOTAL				1,225
CONTINGENCY (5%)	1.			<u>61</u>
TOTAL CONTRACT COST	1			1,286
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<u>71</u>
TOTAL REQUEST	1			1,357
				1
				1
				1
AREA COST FACTOR 1.11				1

10. Description of Proposed Construction: Replace 6 housing units.
|Includes asbestos and lead-based paint removal, demolition, site clearing, replacement and upgrade of utility systems and roads, and construction of new single family units. Provides normal amenities to include appliances, garages, parking, air conditioning, exterior patios and privacy fencing, and landscaping.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
SGO 4BR	1700	1.17	60	4	477,360
GOQ 4BR	2100	1.17	60	1	147,420
GOQ 4BR	2310	1.17	60	1_	162,162
				6	786,942

| 11. REQUIREMENT: 19 UN ADEQUATE: 13 UN SUBSTANDARD: 6 UN | PROJECT: Replace senior officer housing. Project includes replacement of | two general officer quarters. (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents stationed at | Nellis AFB. All units will meet "whole house" standards and are | programmed in accordance with Phase 1 of the Housing Community Plan. | Replacement housing will provide a safe, comfortable and appealing living | environment comparable to the off-base civilian community. The | replacement housing will provide a modern kitchen, living room, family | room, bedroom and bath configuration, with ample interior and exterior | storage and two-car garages. Exterior parking will be provided for a | guests and an official vehicle. The basic neighborhood support

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	A
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
NELLIS AIR FORCE BASE, NEVADA	
4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE SENIOR OFFICER HOUSING	RKMF964002

infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping of common areas. CURRENT SITUATION: This project replaces five housing units which were contructed in 1957 and one constructed in 1968. These houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement owing to the effects of age and the environment. The existing built-up roofing systems do not meet current roofing standards, degrade the overall appearance of the houses, have numerous leaks which have made already inadequate (by today's standards) insulation even less effective. Foundation and pavements are showing signs of failure owing to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energyinefficient. Kitchens have inadequate storage and counterspace, cabinets are old and unsightly, and countertops and sinks are badly worn. Flooring throughout the houses is outdated and contains evidence of asbestos. Plumbing and electrical systems are outdated and do not meet modern building codes. There is no Ground Fault Interrupter Circuit protection, and many electrical outlets lack grounding protection. Lighting systems throughout the houses are inefficient and require replacement. The houses do not contain garage space to protect automobiles from adverse weather. Heating and air conditioning systems require replacement. IMPACT IF NOT PROVIDED: Major morale problems will result if this replacement initiative is not supported. The housing will continue to be occupied until it becomes totally uninhabitable. Generals and senior officers, who because of their responsibilities have been designated as critical for on-base housing, will be forced to move off-base diminishing their ability to perform their duties. Without this initiative, costly peacemeal repairs will continue out of necessity, with no improvement in the living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of |Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective approach to fix the units.

|However, since revitalization exceeded 70% of the replacement value of the

housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

houses, replacement construction was selected. Improvement costs represent 94% of the replacement value. Since this is replacement

MILITARY FAMILY HOUSING JUSTIFICA	ATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	NTROL SYN	MBOL
3. DOO COMPONENT 4. REPO	ORTING INSTA	LLATION							
AIR FORCE a. NAM					b. LOCATIO				
5. DATA AS OF	NELLIS AIF	R FORCE BASE				LAS VEGAS,	NEVADA		
31 JANUARY 1992			ADDENIE		L		PROJEC	TEN	
ANALYSIS		OFFICER	URRENT E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
OF		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
REQUIREMENTS AND ASSET	<u> </u>	(8)	(0)	10)	(0)	,,,,	1.7	187	,
6. TOTAL PERSONNEL STRENGTH		1,070	6,068	1,752	8,890	837	3,933	1,306	6,07
7. PERMANENT PARTY PERSONNEL									
		1,070	6,068	1,752	8,890	837	3,933	1,306	6,07
8. GROSS FAMILY HOUSING REQUIRE	MENTS	769	4.271	555	5,595	600	2.778	410	3.78
9. TOTAL UNACCEPTABLY HOUSED	(a + b + c)	700	7,27						
. TOTAL GRACCEFTABLI HOUSED	4 7 5 7 6)	19	142	104	265				
a. INVOLUNTARILY SEPARATED					0				
L IN ANI ITARY HOUSING TO OF		0	0	0	- 0				
b. IN MILITARY HOUSING TO 88 DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOUSED IN	COMMUNITY	19	142	104	265				
10. VOLUNTARY SEPARATIONS	<del></del>	0	0	0	o	0	0	0	
11. EFFECTIVE HOUSING REQUIREMEN	ITS	769	4,271	555	5,595	600	2,778	410	3,78
12. HOUSING ASSETS (a + b)		775	4,238	467	5,480	605	2,763	347	3,71
a. UNDER MILITARY CONTROL	·	92	1,280	36	1,408	105	1,279	37	1,42
(1) HOUSED IN EXISTING DO	D G								1 40
OWNED/CONTROLLED		92	1,280	36	1,408	105	1,279	37	1,42
(2) UNDER CONTRACT/APPR	ROVED					0	0	0	
(3) VACANT		0	0	0	0			-	
(4) INACTIVE		·		- ·					
(4) MACTIVE		0	0	0	0				
b. PRIVATE HOUSING		683	2,958	431	4,072	500	1,484	310	2,29
(1) ACCEPTABLY HOUSED		658	2,849	415	3,922				
(2) ACCEPTABLE VACANT R	ENTAL	038	2,043	7,3	J,V.2.2				
		25	109	16	150				
3. EFFECTIVE HOUSING DEFICIT		(6)	33	88	115	(5)	15	63	7
4. PROPOSED PROJECT						6			
5. REMARKS						-	L		

1. COMPONENT				2. DATE				
i	FY 1996 MILITARY CONSTRUCTION PROGRAM							
AIR FORCE (computer generated)								
3. INSTALLATION AND	LOCATION	4. COMMAND		5. AREA	CONST			
į/				COST	INDEX			
HOLLOMAN AIR FORCE	BASE, NEW MEXICO	AIR COMBAT COM	MAND	1.0	6			
6. PERSONNEL	PERMANENT	STUDENTS	SUPPOR	TED				
STRENGTH	OFF   ENL   CIV	OFF ENL CIV	OFF EN	L CIV	TOTAL			
a. As of 30 SEP 94	536   4025   1048	181   150   12	7	8 61	6,028			
b. End FY 2000	483 4090 1048	6 34 2	26 2	39   397	6,325			
	7. INVENTORY	DATA (\$000)						
a. Total Acreage:	( 58,565)				1			
b. Inventory Total	As Of: (30 SEP 94)			337,786	[			
c. Authorization No	t Yet In Inventory:			22,520	1			
	quested In This Pro			225				
e. Authorization In	cluded In Following	Program: (FY:	1997)	0	Į			
f. Planned In Next	Four Program Years:			0	1			
g. Remaining Defici	ency:			0	1			
h. Grand Total:				360,531				
	ED IN THIS PROGRAM:	FY 1996						
CATEGORY				DESIGN S				
<u>CODE</u> <u>PR</u>	OJECT TITLE	SCOPE	(\$000)	START	CMPL			
ļ								
711-142 REPLACE GE	NERAL OFFICER	1 UN	225	TURN KEY				
HOUSING								
	+ .3 3-3 / L1 -	TOTAL:	225	^^-				
	s: Included in the			997) NON	E			
	s: Typical Planned	·		117				
	or Functions: A figure ich is responsible	-			ا			
· -	-60 helicopters) an			· · · · · · · · · · · · · · · · · · ·	a į			
· <del>-</del>	F-4 aircraft); a mo		_		ne l			
,	t); and an Air Forc		_		1112			
marvest bare ki	c,, and an All Fold	C MACELIEI COMM	and test	aroup.	1			

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCT	TION PROJECT DATA
AIR FORCE (computer gener	rated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
	REPLACE GENERAL OFFICER
HOLLOWAN AIR TORCE DADE, NEW THEFT	HOUSING
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJ	JECT NUMBER  8. PROJECT COST(\$000
8.87.41 711-142 KWRI	D953009 225
9. COST ESTIM	ATES
	UNIT COST
ITEM	U/M QUANTITY COST (\$000)
REPLACE GENERAL OFFICER HOUSING	UN   1  162,162   162
SUPPORTING FACILITIES	41
SITE PREPARATION	LS     ( 5
ROADS AND PAVING	LS
UTILITIES	LS     ( 5
LANDSCAPING	LS     ( 8
GARAGE	LS
DEMOLITION, ASBESTOS, & LBP REMOVAL	LS
SUBTOTAL	203
CONTINGENCY (5%)	
TOTAL CONTRACT COST	213
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	)   12
TOTAL REQUEST	225
TOTAL REQUEST	

10. Description of Proposed Construction: Replacement of one General Officer housing unit with all neccessary support. Includes demolition of the existing unit and new construction to include appliances, sitework, utility systems, parking, walkways, landscaping, and a two-car garage. Includes asbestos and lead-based paint removal.

1.06

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
GOQ 4BR	2310	1.17	60	11	<u> 162,162</u>
				1	162,162

11. REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN PROJECT: General Officer Housing. (Current Mission).

REQUIREMENT: This project is required to provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the Wing Commander at Holloman AFB. This unit will meet "whole house" standards and is programmed in accordance with Phase "A" of the Housing Community Plan. The house will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garage. Exterior parking will be provided for guests and an official vehicle. Neighborhood enhancements will include landscaping of common areas.

| CURRENT SITUATION: The existing unit was constructed in 1959 and has | received no major renovation since original construction. The kitchen | cabinets, carpet, walls, and ceilings are worn and in need of replacement.

AREA COST FACTOR

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
HOLLOMAN AIR FORCE BASE, NEW MEXICO	
	PROJECT NUMBER
REPLACE GENERAL OFFICER HOUSING	KWRD953009

The size of the house is well below the authorized and required floor area for an Installation Commander's housing unit. The kitchen and dining areas are very small. The plumbing and electrical systems are antiquated and do not meet current standards for efficiency and safety. Electrical circuits do not meet National Electrical Code Standards. The heating and air conditioning systems require upgrade or replacement. The existing down-draft air handling system is outdated, inefficient, and difficult to keep in operation. Ceilings and exterior walls lack adequate insulation. Existing windows are single pane and not energy efficient. Floors are old, worn, and in need of replacement. Many lighting and plumbing fixtures are in need of replacement. Bedrooms are small and lack adequate closet space.

IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support its most senior leader. The condition of the house will reflect poorly to the many dignitaries frequently entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost efficient over the life of the project. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected. Improvement costs represent 86% of the replacement value. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUS		DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SYI R)1716	ABOL	
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTAL  a. NAME	LATION				b. LOCATION				
5. DATA AS OF 31 JANUARY 1992	HOLLO	MAN AIR FORCE BASE				ALAMAGORD	O, NEW ME	EXICO		
ANALYSIS			URRENT				PROJEC			
OF REQUIREMENTS AND A	ASSETS	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGT	гн	234	1,987	1,162	3,383	255	2,147	1,264	3,666	
7. PERMANENT PARTY PERSON	NEL	234	1,987	1,162	3,383	255	2,147	1,264	3,666	
8. GROSS FAMILY HOUSING RE	QUIREMENTS	139	1,225	0	1,364	194	1,632	225	2,051	
9. TOTAL UNACCEPTABLY HOU	SED (a + b + c)	0	0	0	0					
a. INVOLUNTARILY SEPAR	RATED	0	0	0	0					
b. IN MILITARY HOUSING	TO BE									
DISPOSED/REPLACED		0	0	0	0					
c. UNACCEPTABLE HOUSI	ED IN COMMUNITY	0	0	0	0					
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0	
11. EFFECTIVE HOUSING REQUIR	REMENTS	139	1,225	0	1,364	194	1,632	225	2,051	
2. HOUSING ASSETS (a + b)					2,210		.,		2,277	
a. UNDER MILITARY CONT	ROL	139	1,225	0	1,364	157	1,277	0	1,434	
(1) HOUSED IN EXISTIN		139	1,225	0	1,364	157	1,277	0	1,434	
(2) UNDER CONTRACT		183	1,225	Ů	1,50	0	0	0		
(3) VACANT		0	0	0	0		U		فيمسرن	
(4) INACTIVE		0	0	0	0					
b. PRIVATE HOUSING		<del> </del>			846				843	
(1) ACCEPTABLY HOUSED			· · · · · · · · · · · · · · · · · · ·		040				070	
(2) ACCEPTABLE VACA	ANT RENTAL									
3. EFFECTIVE HOUSING DEFICIT	<del></del>	0	0	0	0	(12)	38	(252)	(226	
4. PROPOSED PROJECT						1	- 55	12327	1	
F BELLARYS						1				

15. REMARKS

1. COMPONENT								
	2. DATE							
FY 1996 MILITARY CONSTRUCTION PROGRAM	FY 1996 MILITARY CONSTRUCTION PROGRAM							
AIR FORCE (computer generated)								
3. INSTALLATION AND LOCATION 4. COMMAND	5. AREA CONST							
AIR FORCE COST INDEX								
KIRTLAND AIR FORCE BASE, NEW MEXICO MATERIEL COMMAND 1.02								
6. PERSONNEL PERMANENT STUDENTS SUPPORT	red							
STRENGTH OFF ENL CIV OFF ENL CIV OFF EN	L  CIV  TOTAL							
	51 914  10,101							
the state of the s	51 914 10,193							
7. INVENTORY DATA (\$000)								
a. Total Acreage: ( 44,025)								
b. Inventory Total As Of: (30 SEP 94)	447,941							
c. Authorization Not Yet In Inventory:	18,700							
d. Authorization Requested In This Program:	11,000							
e. Authorization Included In Following Program: (FY 1997)	6,339							
f. Planned In Next Four Program Years:	0							
g. Remaining Deficiency:	0							
h. Grand Total:	483,980							
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996								
	DESIGN STATUS							
CODE PROJECT TITLE SCOPE (\$000)	START CMPL							
, , , , , , , , , , , , , , , , , , , ,	TURN KEY							
PHASE 2								
TOTAL: 11,000	2021							
9a. Future Projects: Included in the Following Program (FY 19711-142 REPLACE FAMILY HOUSING. 60 UN 6.339								
, , , , , , , , , , , , , , , , , , , ,	TURN KEY							
PHASE 3								
TOTAL: 6,339								
Oh Future Projects. Thrical Planned Next Four Vears.								
9b. Future Projects: Typical Planned Next Four Years:	Force							
10. Mission or Major Functions: Phillips Laboratory; the Air								
10. Mission or Major Functions: Phillips Laboratory; the Air Operational Test and Evaluation Center; an Air Education and Tr	raining							
10. Mission or Major Functions: Phillips Laboratory; the Air Operational Test and Evaluation Center; an Air Education and Tr Command special operations wing with three flying training squa	raining adrons							
10. Mission or Major Functions: Phillips Laboratory; the Air Operational Test and Evaluation Center; an Air Education and Tr Command special operations wing with three flying training square Operating MH-53, TH-53, UH-1, MH-60, MC-130 and HC 130 aircraft	raining adrons t; an air							
10. Mission or Major Functions: Phillips Laboratory; the Air Operational Test and Evaluation Center; an Air Education and Tomos Command special operations wing with three flying training square operating MH-53, TH-53, UH-1, MH-60, MC-130 and HC 130 aircraft base wing; Air Force Security Police Agency; and an Air National	raining adrons t; an air							
10. Mission or Major Functions: Phillips Laboratory; the Air Operational Test and Evaluation Center; an Air Education and Tr Command special operations wing with three flying training square Operating MH-53, TH-53, UH-1, MH-60, MC-130 and HC 130 aircraft	raining adrons t; an air							

1. COMPONENT			2. DATE
i i	FY 1996 MILITARY CON	NSTRUCTION PROJECT DATA	
AIR FORCE	(compute)	r generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
j		REPLACE FAMILY HOUSIN	1G,
KIRTLAND AIR FO	RCE BASE, NEW MEXICO	PHASE 2	
5. PROGRAM ELEM	ENT   6 . CATEGORY CODE	7. PROJECT NUMBER   8. PROJEC	T COST (\$000)

PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000 | | 8.87.41 | 711-142 | MHMV964001 | 11,000

9. COST ESTIMATES								
			UNIT	COST				
ITEM	U/M	QUANTITY	COST	(\$000)				
REPLACE FAMILY HOUSING	UN	105	69,914	7,341				
SUPPORTING FACILITIES				2,590				
SITE PREPARATION	LS	] ]	1	( 440)				
DEMOLITION AND ENVIRONMENTAL	LS			(2,150)				
SUBTOTAL				9,931				
CONTINGENCY (5%)		]		497				
TOTAL CONTRACT COST		]		10,428				
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		]		574				
TOTAL REQUEST				11,000				
		1		l				
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		1		l				
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İ				ļ				
ĺ		1 I						
İ		]						
AREA COST FACTOR 1.02								

| 10. Description of Proposed Construction: Replace 105 CGO family housing | units. Includes demolition of existing housing, asbestos and lead-based | paint removal, and construction of replacement units with associated | single car garages. Provides patios with privacy fences, storage areas, | and trash can enclosures. Site preparation support includes utility | repair, landscaping, community development, and street repair.

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	nsf	UNITS	TOTAL COST
CGO	2BR	950	1.00	60	52	2,964,000
CGO	3BR	1350	1.00	60	39	3,159,000
CGO	4BR	1450	1.00_	60	14_	1,218,000
					105	7,341,000

| 11. REQUIREMENT: 2,978 UN ADEQUATE: 1,085 UN SUBSTANDARD: 1,736 UN | PROJECT: Replace 105 CGO family housing units, Phase 2. (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents. All units | will meet "whole house" standards and are programmed in accordance with | Phase D of the Housing Community Plan. Replacement housing will provide a | safe, appealing living environment comparable to that found in the | civilian community. This is the second of multiple phases to provide | adequate housing for base personnel. Of the 272 units to be replaced in | this multi-phase initiative, 104 are completed or included in prior | programs, and 63 will follow in subsequent phases. | CURRENT SITUATION: These units were constructed in 1949 and have received | only routine maintenance and repair since construction. These units are

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAT	Ά
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	•
KIRTLAND AIR FORCE BASE, NEW MEXICO	
4. PROJECT TITLE	5. PROJECT NUMBER
1	
REPLACE FAMILY HOUSING, PHASE 2	MHMV964001

undersized, energy inefficient, and would require a complete floor plan change to meet modern day standards. The fixtures in the bathrooms and kitchens are no longer reparable and must be replaced. The units lack common features found in homes off-base such as family rooms and master baths. The flat roofs require frequent emergency stop-gap maintenance. Asbestos is present in the flooring, insulation, interior walls, and roofing of each of these units. Lead-based paint is present on both the interior and exterior of the units. The neighborhood is too dense, leaving precious little privacy for families. These units have outlived their useful life; replacement is the most logical method to provide acceptable housing for these company grade officer members and their families.

IMPACT IF NOT PROVIDED: Major morale problems will result if this replacement initiative is not supported. Some people will continue to occupy inadequate housing while neighbors and friends are in new, replaced units. Asbestos and lead-based paint will remain in the units, possibly exposing people to a known dangerous substance. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable housing is not available. The current Housing Market Analysis shows a family housing deficit of 147 units. Operations and maintenance of the existing units will continue at a costly rate due to deterioration of building systems and inadequate energy conservation design. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility |Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTII		1. DATE OF RE (YYMMDD)	PORT			2. FISCAL 1996	YEAR	REPORT CO	NTROL SY	MBOL	
3. DOD COMPONENT AIR FORCE 5. DATA AS OF	a. NAME	REPORTING INSTALLATION  NAME  KIRTLAND AIR FORCE BASE				b. LOCATION  ALBUQUERQUE, NEW MEXICO					
1993											
ANALYSIS				URRENT				PROJEC			
OF REQUIREMENTS AND ASS	ETS	OFFI (a		E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH			1,186	2,588	588	4,362	1,327	2,289	520	4,136	
7. PERMANENT PARTY PERSONNE			1,186	2,588	588	4,362	1,327	2,289	520	4,136	
8. GROSS FAMILY HOUSING REQU	IREMENTS		962	2,041	185	3,188	1,071	1,794	162	3,027	
9. TOTAL UNACCEPTABLY HOUSE	D (a + b + c)		151	125	8	284					
a. INVOLUNTARILY SEPARAT	red		5	14	1	20					
b. IN MILITARY HOUSING TO DISPOSED/REPLACED			0	0	8	0					
c. UNACCEPTABLE HOUSED	IN COMMUNITY		146	111	7	264					
10. VOLUNTARY SEPARATIONS			4	46	4	54	6	40	3	49	
11. EFFECTIVE HOUSING REQUIREN	IENTS		962	2,041	185	3,188	1,065	1,754	159	2,978	
12. HOUSING ASSETS (a + b)			870	1,906	176	2,952	970	1,702	159	2,831	
a. UNDER MILITARY CONTRO	DL '		354	1,610	157	2,121	354	1,610	157	2,121	
(1) HOUSED IN EXISTING OWNED/CONTROLLED			354	1,610	157	2,121	354	1,610	157	2,121	
(2) UNDER CONTRACT/AF	PROVED						o	0	0		
(3) VACANT			٥	0	0	0				. \.	
(4) INACTIVE			٥	0	0						
b. PRIVATE HOUSING			516	296	19	831	616	92	2	710	
(1) ACCEPTABLY HOUSE			453	260	16	729					
(2) ACCEPTABLE VACANT	T RENTAL		63	36	3	102					
13. EFFECTIVE HOUSING DEFICIT			92	135	9	236	95	52	0	147	
4. PROPOSED PROJECT						-	105			105	

15. REMARKS

1. COMPONENT							] 2	A. DAT	E ]
1	FY 1996 MILITARY CONSTRUCTION PROGRAM								
AIR FORCE	AIR FORCE (computer generated)								
3. INSTALLATIO	ON AND LOCATION	4	4. CO	MMAND			!	. ARE	A CONST
								COS	T INDEX
POPE AIR FORCE	BASE, NORTH CAROLIN	IA A	AIR C	OMBAT	COMM	IAND		0.	86
6. PERSONNEL	PERMANEN	T	ST	UDENTS			PORT		. !
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SE	EP 94   552  3801	375				l		71	4,799
b. End FY 2000	550 3779	265						71	4,665
	7. INVE	TORY I	DATA	(\$000)					
a. Total Acrea									
b. Inventory T	Total As Of: (30 SEI	94)						112,80	)4
	ion Not Yet In Invent							37,61	١٥
	ion Requested In This							9,98	34
e. Authorizati	ion Included In Follo	owing E	Progr	am:	(FY 1	.997)			0
f. Planned In	Next Four Program Ye	ears:							0
g. Remaining I	Deficiency:								0
h. Grand Total								<u>160,39</u>	98
8. PROJECTS RE	EQUESTED IN THIS PROC	GRAM:	FY 1	.996					
CATEGORY						COSI		ESIGN	STATUS
CODE	PROJECT TITLE		<u>s</u>	COPE		(\$000	<u>)</u> :	START	CMPL
711-142 CONS	TRUCT MILITARY FAMIL	Z		104	UN	9,98	4 T	JRN KI	EX
HOUS	SING (PHASE 2)				_		_		
				TOTAL		9,98			
	rojects: Included in						Y 19	97) NO	ONE
	rojects: Typical Pla								
10. Mission	or Major Functions:	A Comp	posit	e wing	g wn:	ch ir	icing	es one	e r-16
	A/OA-10 squadron, an	nd two	C-13	o squ	adro	ıs; ar	id He	adquai	rters
Joint Special	Operations Command.								

Page No

| AIR FORCE | (computer generated) | 3. INSTALLATION AND LOCATION | 4. PROJECT TITLE

CONSTRUCT MILITARY FAMILY

POPE AIR FORCE BASE, NORTH CAROLINA

HOUSING (PHASE 2)

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000)

8.87.41 711-142 TMKH967000 9,984

9. COST ESTIMATES

	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
CONST MILITARY FAMILY HOUSING-PH 2	UN	104	53,485	5,562
SUPPORTING FACILITIES				3,450
SITE PREPARATION	LS	]	1	( 492)
ROADS AND PAVING	LS			( 543)
UTILITIES	LS		ļ	( 408)
LANDSCAPING	LS	]		( 219)
RECREATION	LS			( 214)
GARAGES AND STORAGE	LS			( 589)
LAND ACQUISTION	LS			( <u>985</u> )
SUBTOTAL				9,012
CONTINGENCY (5%)	1			<u>451</u>
TOTAL CONTRACT COST	1			9,463
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<u>520</u>
TOTAL REQUEST				9,984
				ļ
				. !
	1			
AREA COST FACTOR .86			·	

10. Description of Proposed Construction: Construct 104 single/ duplex housing units and acquire necessary land. Includes: site development, utilities, roads and parking, sidewalks, street lighting, garages, storage, patios, privacy and perimeter fencing, air conditioning, appliances, recreation and play areas, neighborhood improvements, landscaping, fire protection, and energy management features.

				310	
	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JRENL 2BR	950	.86	60	24	1,176,480
JNCO 2BR	950	.86	60	60	2,941,200
JNCO 4BR	1350	.86	60	10	696,600
SNCO 4BR	1450	.86	60	10_	748,200
		<del></del>		104	5,562,480

| 11. REQUIREMENT: 1,967 UN ADEQUATE: 970 UN SUBSTANDARD: 459 UN | PROJECT: Construct Military Family Housing (Phase 2). (New Mission) | REQUIREMENT: This project is required to provide modern and efficient | housing for military members and their dependents stationed at Pope AFB. | All units will meet "whole house" standards. This is the second of | multiple phases to provide adequate housing for base personnel. This | housing will provide a safe, comfortable, and appealing living environment | comparable to the off-base civilian community. The units will provide a | modern kitchen, living room, dining room, and bath configuration, with | ample interior and exterior storage and garages. Parking will be provided | for a second vehicle and/or visitors. The neighborhood support | infrastructure will be constructed to meet modern housing needs.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	<b>A</b>
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
POPE AIR FORCE BASE, NORTH CAROLINA	
4. PROJECT TITLE 5	. PROJECT NUMBER
į l	
CONSTRUCT MILITARY FAMILY HOUSING (PHASE 2)	TMKH967000

Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. Land acquisition is required as no unemcumbered land on Pope AFB or Ft Bragg Army Post is available to support this project.

| CURRENT SITUATION: The community and Ft Bragg surrounding Pope AFB has insufficient, inadequate housing assets to support Pope requirements and programmed realignment actions. The latest Housing Market Analysis indicates a deficit (after completion of a companion FY95 project) of 418 housing units. The largest deficit is in 2-bedroom Junior NCO housing category. These are the families who can least afford to live off-base. | Construction of off-base rental units has declined to very low levels, and available units rent for over \$400 per month. This cost drives available housing out of the price range of junior enlisted families. Land acquisition is required as no land on Pope or Ft Bragg is available to support this requirement.

IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending possible future assignment to base units. Families will continue to be forced to live off-base at greater distances from the base than are desirable and/or in expensive or otherwise unsuitable housing near the base. Ultimately, the mission will suffer from the effects of low morale and increased stress due to financial strains on families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic lanalysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will include options for accomplishment with Phase 1 in the FY95 program to include land acquistion options.

MILITARY FAMILY HOUSIN	IG JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO		MBOL
3. DOD COMPONENT	4. REPORTING INS	TALLATION							
AIR FORCE	a. NAME				b. LOCATI	ON			
5. DATA AS OF 31 JANUARY 1992	POPE A	AIR FORCE BASE			FAYETTEVILLE, NC				
ANALYSIS		C	URRENT				PROJEC	TED	
0		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTA
REQUIREMENTS		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL ST	RENGTH	610	2,793	845	4,248	301	2,163	655	3,11
7. PERMANENT PARTY PE	RSONNEL	610	2,793	845	4,248	301	2,163	655	3.11
8. GROSS FAMILY HOUSI	NG REQUIREMENTS	416	2.073	241	2,730	204	1.596	185	1,98
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)		2,073	241	2,730	204	1,596	185	1,98
		33	671	127	831				
a. INVOLUNTARILY	SEPARATED	2	11	2	15				
b. IN MILITARY HOL DISPOSED/REPLA		0	0	0	0				
	HOUSED IN COMMUNIT	Y 31	660	125	816				
10. VOLUNTARY SEPARAT	IONS	2	17	5		4	40		
11. EFFECTIVE HOUSING R	EQUIREMENTS		2,073	241	24	1	13	4	1 00
2. HOUSING ASSETS (a	+ b)	416			2,730	203	1,583	181	1,96
a. UNDER MILITARY	CONTROL	392	1,430	113	1,935	196	1,069	44	1,30
		B9	370	0	459	89	370	0	45
(1) HOUSED IN E				_					
OWNED/COM		89	370	0	459	89	370	0	45
	RACT/APPROVED					0	0	0	
(3) VACANT		o	o	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSIN	G	303	1,060	113	1,476	107	699	44	85
(1) ACCEPTABLY	HOUSED				-	107	039	44	85
(2) ACCEPTABLE	VACANT RENTAL	292	1,015	109	1,416				
		11	45	4	60				
3. EFFECTIVE HOUSING D	EFICIT	24	643	128	795	7	514	137	65
4. PROPOSED PROJECT							80		10

DD FORM 1523, NOV 90

1. COMPONENT							2	. DAT	E
FY	1996 MILIT				PROGR	MA	ļ		
AIR FORCE		puter 9							22 0010
3. INSTALLATION AND L			14. CC	DINAMMO	)		5		EA CONS
SEYMOUR-JOHNSON AIR F	ORCE BASE,						 1		T INDEX
NORTH CAROLINA			<del></del>	COMBAT			PORTE		86
6. PERSONNEL	PERMANI			TUDENT	CIV			ICIV	TOTAL
STRENGTH	OFF ENL	CIV	OFF	FNL	ICIVI			130	
a. As of 30 SEP 94	455 3625	:	:			1  1!		130	
o. End FY 2000	567 4251 7. INV			(\$000	1	<u> </u>	- 0	1130	3,40
a. Total Acreage: (	4,115)	ENIORI	DAIA	\\$000	·				
a. Total Acreage: ( o. Inventory Total As	•	FD 94)					1	96,48	30
c. Authorization Not								19,11	
d. Authorization Requ			gram:					20	
e. Authorization Requ				ram:	(FY 1	.997)			0
f. Planned In Next Fo			3-		•				0
g. Remaining Deficien		•							0
h. Grand Total:	<b>-</b> 1.						2	15,79	4
8. PROJECTS REQUESTED	IN THIS PR	OGRAM:	FY :	1996					p.247
CATEGORY						COST	DE	SIGN	STATUS
CODE PROJ	ECT TITLE		<u> </u>	SCOPE		(\$000	<u>)</u> <u>s</u>	TART	CMPL
711-142 REPLACE GENE HOUSING  9a. Future Projects:			Follo	TATOT		20 20	4	RN KE	
9b. Future Projects:								,,	
	runctions:	A II	ying v	wing w	vith f	our E	'-15 I	Tance	2T
10. Mission or Major squadrons, one of whi a KC-10 air refueling determined); and an A squadron.	ch conducts squadron (	F-15E schedu	init: led to	ial qu o depa	alif: art wi	icatio ith ti	on tra .ming	ining	g; and e
squadrons, one of whi a KC-10 air refueling determined); and an A	ch conducts squadron (	F-15E schedu	init: led to	ial qu o depa	alif: art wi	icatio ith ti	on tra .ming	ining	g; and e
squadrons, one of whi a KC-10 air refueling determined); and an A	ch conducts squadron (	F-15E schedu	init: led to	ial qu o depa	alif: art wi	icatio ith ti	on tra .ming	ining	g; and
squadrons, one of whi a KC-10 air refueling determined); and an A	ch conducts squadron (	F-15E schedu	init: led to	ial qu o depa	alif: art wi	icatio ith ti	on tra .ming	ining	g; and
squadrons, one of whi a KC-10 air refueling determined); and an A	ch conducts squadron (	F-15E schedu	init: led to	ial qu o depa	alif: art wi	icatio ith ti	on tra .ming	ining	g; and
squadrons, one of whi a KC-10 air refueling determined); and an A	ch conducts squadron (	F-15E schedu	init: led to	ial qu o depa	alif: art wi	icatio ith ti	on tra .ming	ining	g; and
squadrons, one of whi a KC-10 air refueling determined); and an A	ch conducts squadron (	F-15E schedu	init: led to	ial qu o depa	alif: art wi	icatio ith ti	on tra .ming	ining	g; and

1. COMPONENT	2. DATE
FY 1996 MILITARY CON	STRUCTION PROJECT DATA
AIR FORCE (computer	generated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SEYMOUR JOHNSON AIR FORCE BASE	REPLACE GENERAL OFFICER
NORTH CAROLINA	HOUSING
Le program of Charles Control Control	DOCTECT NUMBER 10 DECTECT COCT (\$000)

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE GENERAL OFFICERS HOUSING	UN	1	131,670	132
SUPPORTING FACILITIES				53
SITE PREPARATION	LS			( 6)
ROADS AND PAVING	LS			( 5)
UTILITIES	LS			(7)
LANDSCAPING	LS			( 10)
GARAGE	LS			( 11)
DEMOLITION, ASBESTOS AND LBP REMOVAL	LS			( <u>14</u> )
SUBTOTAL				185
CONTINGENCY (5%)				9
TOTAL CONTRACT COST				194
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				_11
TOTAL REQUEST				204
				ļ
				ļ
				ļ
AREA COST FACTOR .86	1			

10. Description of Proposed Construction: Replacement of one General Officer housing unit with all neccessary support. Includes demolition of the existing unit and new construction to include appliances, sitework, utility systems, parking, walkways, landscaping, and a two-car garage. Includes asbestos and lead-based paint removal and solar considerations.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
GOQ 4BR	2310	.95	60	1_	131,670
				1	131,670

| 11. REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN | PROJECT: Replace General Officer Housing. (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | fourbedroom housing appropriate for family living and the entertainment | responsibilities of the Wing Commander at Seymour Johnson AFB. This unit | will meet "whole house" standards and is programmed in accordance with | Phase "1" of the Housing Community Plan. The housing will provide a safe, | comfortable and appealing living environment comparable to the off-base | civilian community. The housing will provide a modern kitchen, living | room, family room, bedroom and bath configuration, with ample interior and | exterior storage and a two-car garage. Exterior parking will be provided | for guests and an official vehicle. Neighborhood enhancements will | include landscaping of common areas.

|CURRENT SITUATION: This project replaces a GOQ constructed in 1958. This | 38-year old house is showing the effects of age and continuous heavy use | and provides over 100 SF less living space than the GOQ standard. It has

[1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
SEYMOUR JOHNSON AIR FORCE BASE NORTH CAROLINA	
4. PROJECT TITLE  5.	PROJECT NUMBER
REPLACE GENERAL OFFICER HOUSING	VKAG966002

had no major upgrade since construction and does not meet the needs of

today's families nor does it provide a modern home environment. Walls, |foundations, and exterior pavements require major repair or replacement due to the effects of age and the environment. Wall insulation is inadequate. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. The interior is generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small and fixtures are outdated and energy inefficient. The kitchen has inadequate storage and counter space, cabinets are old and unsightly, counter tops and sinks are badly worn, and plumbing and electrical systems are outdated. There are no Ground Fault Circuit Interrupters as are required by electrical codes. The number of outlets is minimal which results in the use of extension cords which can create a hazardous situation. Lighting systems throughout the house are inefficient and do not meet modern needs. Heating and air conditioning system requires upgrade or replacement. |IMPACT IF NOT PROVIDED: The base will continue to have substandard

housing to support its most senior leader. The condition of the house |will reflect poorly to the many dignitaries frequently entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. The housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student |population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. The cost to improve the existing house represents 75% of the replacement cost.

MILITARY FAMILY HOUSIN	IG JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	NTROL SYN	MBOL	
3. DOD COMPONENT	4. REPORTING INSTA	LLATION								
AIR FORCE	a. NAME				b. LOCATION	ON				
5. DATA AS OF	SEYMOUR	R-JOHNSON AIR FORCE BA	AIR FORCE BASE GOLDSBORO, NC							
31 JANUARY 1992		ALIPOTATE AND AND AND AND AND AND AND AND AND AND								
ANALYSIS		C	URRENT				PROJEC	TED		
0	F	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTA	
REQUIREMENTS	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
6. TOTAL PERSONNEL ST	RENGTH									
		690	3,410	719	4,819	664	3,621	1,018	5,30	
7. PERMANENT PARTY PE	RSONNEL									
		690	3,410	719	4,819	664	3,621	1,018	5,30	
8. GROSS FAMILY HOUSI	NG REQUIREMENTS									
		530	2,901	203	3,614	506	3,070	278	3,85	
9. TOTAL UNACCEPTABLY	Y HOUSED (a + b + c)									
		2	80	28	110					
a. INVOLUNTARILY	SEPARATED									
		2	8	6	16					
b. IN MILITARY HOL			:							
DISPOSEO/REPLA		0	0	0	0					
c. UNACCEPTABLE	HOUSED IN COMMUNITY									
		0	72	34	106					
10. VOLUNTARY SEPARAT	TIONS							_		
		3	35	4	42	3	38	5	4	
11. EFFECTIVE HOUSING F	REQUIREMENTS		0.004		0.644	500		220		
		530	2,901	203	3,614	503	3,032	273	3,80	
12. HOUSING ASSETS (a	+ b)	500	0.040	474	2510	510	0.070	240		
		533	2,812	174	3,519	510	2,979	246	3,73	
a. UNDER MILITARY	CONTROL	454			1 600	154	1 544	٥		
141 11011055 1115		154	1,544	0	1,698	154	1,544	- 0	1,69	
(1) HOUSED IN E		154	1,544	0	1,698	154	1,544	اه	1,69	
OWNED/COM		(54)	1,544	U	1,038	134	1,544		1,09	
(2) UNDER CON	TRACT/APPROVED					0	0	٥		
(3) VACANT										
(3) VACANI			0	0	0					
(4) INACTIVE				- 0						
(4) MACHEE		اه ا	8	٥	0					
b. PRIVATE HOUSIN	G	<del></del>								
E. THERE HOUSE		379	1,268	174	1,821	356	1,435	246	2,03	
(1) ACCEPTABLY	HOUSED		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,,		1,100		_,00	
,,,		371	1,242	171	1,764					
(2) ACCEPTABLE	VACANT RENTAL									
		8	26	3	37					
3. EFFECTIVE HOUSING D	EFICIT									
		(3)	89	29	115	(7)	53	27	7	
4. PROPOSED PROJECT										
						1		l		
5. REMARKS										

DO FORM 1523, NOV 90

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA HOUSING MAINTENANCE FACILITY 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) VLSB950004 715 219-944 8.87.41 9. COST ESTIMATES UNIT COST COST (\$000) U/M QUANTITY ITEM 507 HOUSING MAINTENANCE FACILITY SF 6.400 74 (474)MAINTENANCE SHOP AND BENCHSTOCK 55 (33) SF 600 COVERED STORAGE 139 SUPPORTING FACILITIES (61) LS UTILITIES |SY | 450 1 37 (17) PARKING AND WALKS (49) LS SITE IMPROVEMENTS & LANDSCAPING (8) LS DEMOLITION 4) LS FENCING 646 SUBTOTAL 32 CONTINGENCY (5%) 678 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 37 715 TOTAL REQUEST

AREA COST FACTOR 10. Description of Proposed Construction: Construct concrete foundation, metal frame structure with split block exterior and standing seam metal roof, to include all necessary finishes and utilities. Includes provisions for latrines, maintenance shop space, self-help store, controllers area, administrative offices and covered storage. Demolishes four facilities. Provides for landscaping and parking.

0.79

Air Conditioning: 10 Tons.

REQUIREMENT: 30,000 SF ADEQUATE: 22,194 SF SUBSTANDARD: PROJECT: Family Housing Maintenance Facility. (Current Mission) REQUIREMENT: An adequate facility is required for conducting all housing maintenance activity for 1704 family housing units at Shaw AFB. facility must be properly located for convenient access by housing occupants, maintenance personnel, and supply deliveries. The facility must provide space for the storage of benchstock materials, shop space for maintence work, self-help areas for displays and customer service, maintenance work controllers, maintenance supervisor offices, latrines, and a covered nursery and storage area. CURRENT SITUATION: The existing housing maintenance complex does not

provide the required space to adequately serve housing customers. The storage area for appliances is located four miles away from the |maintenance function, necessitating extra handling of appliances and resulting in wasted manhours and decreased response time to housing maintenance requirements. Existing housing maintenance facilities are poor in appearance, creating an initial substandard image of the overall housing development area. Appliance and carpenter repair functions are accomplished in two small covered sheds, hindering proper maintenance practices, especially during inclement weather. The lack of work space

Ī	1. COMPONENT							2. D	ATE
1		FY	1996	MILITARY	CONSTRUCTION	PROJECT	DATA		
1	AIR FORCE			(compi	iter generate	d)			
1	3. INSTALLATION	AND	LOCA	rion					
ĺ									
1	SHAW AIR FORCE B	BASE,	SOUT	TH CAROLII	AV.				
Ī	4. PROJECT TITLE	<u> </u>					5.	PROJECT	NUMBER
1	POLICING MAINTENIA	NCE	FACTI	.ተሞV			1	1/T.SB950	004

and appliance testing facilities necessitates taking repaired appliances to vacant housing units for proper testing. Material storage is located in a low ceiling metal structure which precludes proper and efficient storage of housing supplies. Inadequate covered storage forces open storage of valuable supplies and equipment. Existing administrative and controller offices are in a converted farmhouse, separated from the maintenance and storage facilities, creating decentralized control of housing maintenance functions. The small building does not have the layout or space to provide necessary customer support. Also, customer parking and maintenance vehicle service entrances are collocated, creating congestion and unsafe conditions for private vehicles, maintenance trucks, and housing occupants that converge into one small area. Due to antiquated heating, air conditioning, plumbing and electrical systems, as well as structural deterioration, four facilities will be demolished upon completion of the new facility.

IMPACT IF NOT PROVIDED: Response to customer requirements for housing maintenance will continue to be delayed due to poorly designed and widely dispersed maintenance facilities. Movement of appliances for repair purposes or placement in back-up stocks will require extra time and handling, and will increase chances for handling damage. The housing maintenance complex will continue to detract from the overall appearance of the housing area. Major repair and improvement of existing facilities is not an option due to their deteriorated condition. Costly efforts will continue to be committed to keep the existing facilities habitable.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and the "Air Force Housing Support Facilities Guide."

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	1
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION 4. PROJECT TITLE	
CONSTRUCT HOUSING M	AINTENANCE
DYESS AIR FORCE BASE, TEXAS FACILITY	
5. PROGRAM ELEMENT   6. CATEGORY CODE   7. PROJECT NUMBER   8. PROJ	ECT COST(\$000)

FNWZ910048

0.07.41					
9. COST ESTIMATES					
				UNIT	COST
ITEM		U/M	QUANTITY	COST	(\$000)
CONSTRUCT HOUSING MAINTENANCE FACILITY		LS			290
MAINTENANCE SHOP/SELF HELP STORE		SF	3,900	66	(257)
COVERED STORAGE		SF	600	55	( 33)
SUPPORTING FACILITIES		1			234
UTILITIES		LS		1	( 61)
PARKING AND WALKWAYS		SY	3,000	37	(111)
SITE IMPROVEMENTS AND LANDSCAPING		LS			( 49)
FENCING		LS			( 4)
DEMOLITION		LS			( <u> </u>
SUBTOTAL				1	524
CONTINGENCY (5%)			1		_26
TOTAL CONTRACT COST					550
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		5.5%)			_30
TOTAL REQUEST			]		580
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AREA COST FACTOR	0.:	92	li		]

10. Description of Proposed Construction: Construct concrete foundation, metal frame structure with split block exterior and standing seam metal roof, to include all necessary finishes and utilities. Includes provisions for latrines, maintenance shop space, self-help store, controllers area, administrative offices and covered storage. Demolishes two facilities. Provides for landscaping and parking.

Air Conditioning: 8 Tons.

8.87.41

| 11. REQUIREMENT: 4,500 SF ADEQUATE: 0 SUBSTANDARD: 1,280 SF | PROJECT: Construct Housing Maintenance Facility. (Current Mission) | REQUIREMENT: An adequate facility is required for conducting all | maintenance activity for 990 family housing units at Dyess AFB. The | facility must be properly located for convenient access by housing | occupants, maintenance personnel, and supply deliveries. The facility | must provide space for the storage of benchstock materials, shop space for | maintenance work, self-help area for displays and customer service, space | for maintenance controllers, maintenance supervisor offices, latrines, and | a covered nursery and storage area. Also required is secure exterior bulk | and flammable storage. The convenience of collocating housing maintenance | and self-help supplies will encourage housing occupants to be more active | in caring for their houses.

| CURRENT SITUATION: The Housing Maintenance Facility serves 5,335 military | members. Housing maintenance is presently performed by contract in office | space located in two 30-year old, temporary wood structures which have | exceeded their life expectancy. They are energy and functionally | inefficient. As a result, maintenance costs are rapidly increasing. One | of the 640 SF buildings is used as office space, and the other is used for | storage. These unsightly structures are located in the middle of the

580

1. COMPONENT		2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION		
DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5.	PROJECT NUMBER
CONSTRUCT HOUSING MAINTENANCE FACILITY	1	FNWZ910048

housing area and will be demolished as a part of this project. Currently, the self-help store is three miles away from the housing area.

| IMPACT IF NOT PROVIDED: A dedicated cost effective facility is required to meet the needs of Air Force Members and their families, as well as to lensure the efficient operations of the Housing Maintenance Facility.

| Without this new facility, we seriously jeopardize Housing Maintenance operations.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

1. COMPONENT	٠		·					15	A. DAT	'E
. COMPONENT	•	1996 MILITA	ARY CO	ISTRUC	TION F	ROGE	MAS			_
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. INSTALLA	ION AND LO			4. CO				5	. ARE	A CONS
				AIR E		ON		i		T INDE
ACKLAND AIR	FORCE BAS	SE, TEXAS		AND T	RAINI	IG CC	MMAND	i	0.	87
. PERSONNEI		PERMAN	ENT		UDENTS			PORTE	ED	
STRENGTH	_	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30	SEP 94	1791  4615	2728	21	5222		28	604	48	15,05
o. End FY 20		1791 4750	•		6073	i i	28	604	48	
		7. INV	ENTORY	DATA	(\$000)	)				
a. Total Act	reage: (	6,726)								
	_	Of: (30 SI	EP 94)	•				4	169,22	0
. Authoriza	tion Not	Yet In Inver	ntory:						42,24	3
d. Authoriza	ation Requ	ested In Th	is Prog	gram:					6,20	0
e. Authoriza	tion Incl	ided In Foll	lowing	Progr	am:	(FY 1	.997)		80	0
E. Planned	n Next For	ur Program ?	Years:							0
g. Remaining	J Deficiend	cy:								0
n. Grand Tot									18,46	3
B. PROJECTS	REQUESTED	IN THIS PRO	OGRAM:	FY 1	996					
CATEGORY							COST			STATUS
CODE	PROJ	ECT TITLE		<u>s</u>	COPE		(\$000)	2 5	TART	CMPL
	PLACE MILITOUSING (PH	TARY FAMILY ASE 2)			67	EA _	6,20	ο π -	JRN KE	·
					TOTAL		6,20			
219-944 REI Mi 610-119 REI	PLACE FAMII AINTENANCE PLACE FAMII	FACILITY	in the		3,258 3,251	SF	35	0	,	
M	T OFFICE					-		-		
					TOTAL		80	<u> </u>	<del></del>	
		Typical Pi Functions:						£	Do od o	
Military Tra cryptograph: Language Ins Academy; and	ic mainten stitute En	ance, recru glish Langu	iting, age Ce	and s	ocial Inter	acti	ions c	ourse	es; De Forces	efense S

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION 4. PROJECT TITLE	
REPLACE MILITARY	FAMILY
LACKLAND AIR FORCE BASE, TEXAS HOUSING (PHASE 2)	
LE PROCESMENT DE CAMERONNE CODE 17 PROTECTE MEMBER 10 PR	OTEGE GOGE(COO)

9	COST	EST	IMAT	ES

UNIT   COST
UN
SUPPORTING FACILITIES
SUPPORTING FACILITIES   1,134     SUPPORTING FACILITIES   1,213     SITE PREPARATION   LS   (80)     ROADS AND PAVING   LS   (257)     UTILITIES   LS   (375)     LANDSCAPING   LS   (103)     RECREATION   LS   (58)     DEMOLITION AND LEAD ABATEMENT   LS   (262)     SUBTOTAL   11,645     CONTINGENCY (5%)   582     TOTAL CONTRACT COST   12,227
SUPPORTING FACILITIES   1,213   SITE PREPARATION   LS   (80)   ROADS AND PAVING   LS   (257)   UTILITIES   LS   (375)   LANDSCAPING   LS   (103)   RECREATION   LS   (58)   (58)   CONTINGENCY (5%)   582   TOTAL CONTRACT COST   12,227
SITE PREPARATION
ROADS AND PAVING
UTILITIES
LANDSCAPING
RECREATION
DEMOLITION AND LEAD ABATEMENT
SUBTOTAL
CONTINGENCY (5%)   582   TOTAL CONTRACT COST   12,227
TOTAL CONTRACT COST 12,227
LATER TRANSPORT THE PROPERTY AND AUTOMOBILE (C. C.)
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)   672
TOTAL REQUEST 6,200
AREA COST FACTOR .87

|10. Description of Proposed Construction: Replace 67 housing units. |Includes demolition, site clearing, replacement/upgrade of utility systems |and roads, and construction of new single and duplex units. Provides |normal amenities to include parking, HVAC, exterior patios and privacy |fencing, neighborhood playgrounds, and recreation areas. Includes |demolition with asbestos and lead-based paint abatement.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR_	NSF	UNITS	TOTAL_COST
JNCO 3BR	1200	.86	60	29	1,795,680
JNCO 4BR	1350	.86	60	34	2,368,440
SNCO 4BR	1450	.86	60	4_	<u>299,280</u>
				67	4,463,400

| 11. REQUIREMENT: 3,752 EA ADEQUATE: 2,574 EA SUBSTANDARD: 598 EA | PROJECT: Replace 67 substandard military family housing units with all accompanying ancillary appurtenances, "Whole Community" facilities, and all required engineering support facilities. (Current Mission). | REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Lackland AFB. All units will meet "whole house" standards and are programmed in accordance with phase II of the Housing Community Plan. | Replacement housing will provide a safe, comfortable, and appealing living | environment comparable to the off-base civilian community. This is the | second of multiple phases to provide adequate housing for base personnel. | Of the 585 housing units to be replaced, 111 are programmed in a prior | programs, and 401 will follow in subsequent phases. The replacement

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJ	JECT DATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
LACKLAND AIR FORCE BASE, TEXAS	
4. PROJECT TITLE	5. PROJECT NUMBER
DEDIACE MILITARY FAMILY HOUSING (PHASE 2)	MPT.S964005

housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second occupant vehicle and guests. Neighborhood support infrastructure will be upgraded to meet modern housing needs.

CURRENT SITUATION: These two story units were built in 1951 and last renovated in the kitchen, bathroom, and patio areas between 1976 and 1978. These upgrades are now substandard and time-worn. Only routine change of occupancy maintenance and some HVAC repairs have since been accomplished. Roofs, exterior walls, exterior doors, and windows require major repair or replacement due to the effects of age and the environment. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counterspace, cabinets are old and unsightly and countertops and sinks are badly worn.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatisfactory conditions that affect morale, performance, and the retention of quality personnel. The current Housing Market Analysis shows an on-base housing deficit of 580 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity, with no improvement in the living quality. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This replacement housing project will not increase the student population or impact the ability of the local school district to support base dependents.

MILITARY FĄMILY HOUSIN		1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SY 1)1716	MBOL
3. DOD COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE	a. NAME				b. LOCATI				
5. DATA AS OF 1993	LACKLA	ND AIR FORCE BASE				SAN ANTON	O, TEXAS		
ANALY	SIS	CI	JRRENT				PROJEC	TED	
0		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS A	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL ST	RENGTH								
		2,381	4,816	3,580	10,777	2,512	5,078	5,158	12,74
7. PERMANENT PARTY PE	RSONNEL	1	4 0 40	0.004	0.407	1 000		4 000	
		1,835	4,048	3,284	9,167	1,966	4,310	4,862	11,13
8. GROSS FAMILY HOUSIN	IG REQUIREMENTS	925	1,723	334	2,982	1,155	2.103	494	3,75
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	323	1,723	334	2,502	1,100	2,103	434	3,73
S. TOTAL ONACOLI TABLE	1100320 (2 + 0 + 0)		اه	0	0				
a. INVOLUNTARILY	SEPARATED								
		0	0	0	0				
b. IN MILITARY HOL	SING TO BE								
DISPOSED/REPLA		0	0	0	0				
c. UNACCEPTABLE	HOUSED IN COMMUNITY								
		0	0	0	0				
O. VOLUNTARY SEPARAT	IONS		اه	0	0	0	0		
1. EFFECTIVE HOUSING R	FOLUBENENTS			U	- 0			0	(
i. EFFECTIVE HOUSING N	EQUINEMEN 13	925	1,723	334	2,982	1,155	2,103	494	3,752
2. HOUSING ASSETS (a -	- b)	323	.,,,20		-,	1,1.00	2,100		0,70
	- <b>-</b> ,	925	1,723	334	2,982	999	1,814	359	3,172
a. UNDER MILITARY	CONTROL								
		103	621	0	724	103	621	0	724
(1) HOUSED IN E	XISTING DOD								
OWNED/CON		103	621	0	724	103	621	0	724
(2) UNDER CONT	RACT/APPROVED								
(O) MACANT						0	0	0	(
(3) VACANT			0	0	0				
(4) INACTIVE									
(1) 110101110		اه ا	اه	0	0				
b. PRIVATE HOUSING	3							1	
		822	1,102	334	2,258	896	1,193	359	2,448
(1) ACCEPTABLY	HOUSED								
	11.0.12.00	822	1,102	334	2,258				
(2) ACCEPTABLE	VACANT RENTAL			0	0				
3. EFFECTIVE HOUSING D	EICIT	0	0	0	0				
S. EFFECTIVE HOUSING D	FIGH		٥	0	٥	156	289	135	580
4. PROPOSED PROJECT			J			, 50	203	,,,,,	360

15. HEMAKKE

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| 1. COMPONENT | 2. DATE |
| FY 1996 MILITARY CONSTRUCTION PROJECT DATA |
| AIR FORCE | (computer generated) |
| 3. INSTALLATION AND LOCATION | 4. PROJECT TITLE |
| REPLACE FAMILY HOUSING |
| SHEPPARD AIR FORCE BASE, TEXAS | MGT OFFICE |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST(\$000) |
| 8.87.41 | 610-119 | VNVP964004 | 500

9. COST ESTIMATES

3. COB1 EB				
		1	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING MGT OFFICE	SF	3,200	91	291
SUPPORTING FACILITIES				160
UTILITIES	LS			( 70)
SITE IMPROVEMENTS	LS			( 20)
PAVEMENTS	LS			( 50)
DEMOLITION	LS			(_20)
SUBTOTAL		j		451
CONTINGENCY (5%)	1			23
TOTAL CONTRACT COST	1			474
SUPERVISION, INSPECTION AND OVERHEAD (5	.5%)			_26
TOTAL REQUEST				500
	1	1		
	1			
	[			
	1			
	1			
AREA COST FACTOR 0.9	0 1			

| 10. Description of Proposed Construction: Construct management office | including foundation, frame construction, HVAC system, parking lot, | sidewalks, lighting, landscaping, entrance foyer, conference room, private | offices for the Housing Manager, Assistant, and Facilities Chief, | children's playroom, and break room. This project includes demolition of | existing building.

Air Conditioning: 8 Tons.

11. REQUIREMENT: 3,200 SF ADEQUATE: 0 SUBSTANDARD: 3,198 SF PROJECT: Construct a Military Family Housing Management Office. (Current Mission).

| REQUIREMENT: Provide administrative and counseling space for the | management of 1287 housing units. Must be conveniently located for | accessability by housing occupants and newly arriving personnel. Facility | must include space for private counseling, offices, lounge/waiting area, | conference room, and play area for children of parents awaiting service by | housing personnel. Facility must have adequate parking and include | provisions for access by the handicapped.

CURRENT SITUATION: The Military Family Housing management office is located in a converted barracks building constructed in 1941. The structure requires excessive maintenance, is energy inefficient, projects an unfavorable appearance to military members and their families, is poorly configured for its current use, and is inconveniently sited.

| IMPACT IF NOT PROVIDED: The MFH Management Office will continue to require excessive maintenance and use excessive energy. Newly arriving military members and their families will continue to receive a poor first impression of Sheppard AFB. Service to the military personnel who process through and utilize the Management Office will continue to be hampered by

•	1. COMPONENT			2. DATE
		1996 MILITARY CONST	RUCTION PROJECT DATA	· · · · · · · · · · · · · · · · · · ·
-	3. INSTALLATION AND		,,	
	  SHEPPARD AIR FORCE	BASE, TEXAS		
	4. PROJECT TITLE		15.	PROJECT NUMBER
_	REPLACE FAMILY HOUS	ING MGT OFFICE		VNVP964004
	an inadequate facil:  ADDITIONAL: This property   Military Handbook 1:	roject meets the cri	teria/scope specified	in Part II of    -  -  -  -  -  -  -  -
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1. COMPONENT							-		2.	DATE
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3. INSTALLATIO	INA NO	LOCATION		4.	PROJ	JECT I	TTLE	1		
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SHEPPARD AIR 1						VANCE				
5. PROGRAM ELI	EMENT	6. CATEGORY CODE	7. PRO	JECI	יוטא ז	MBER	8. F	ROJE	CT C	OST (\$000)
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8.87.41		219-944	VNV					<del></del>		600
		9. COS	T ESTIM	ATES	5					
						 		UNI	. !	COST
		ITEM			U/M	QUANT	TTY	COS'	<u>r  </u>	(\$000)
REPLACE FAMIL	Y HOUS	SING MAINTENANCE							1	3.40
FACILTY				·	SF	5,8	300		60	348
SUPPORTING FA	CILIT:	IES				1	ļ		ļ	194
UTILITIES					LS	 	 		l I	(89 (35
SITE IMPROV	EMENT				LS  LS	 	1		ļ	(50
PAVEMENTS					LS	! !	l I		i	( 20
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SUBTOTAL	r 0. \				l 1	! 1	i		l I	27
CONTINGENCY ( TOTAL CONTRAC	-	m.			! 	! 	ľ	 	l	569
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TOTAL KEQUEST						i				
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| 10. Description of Proposed Construction: All site preparation, drainage | improvements, concrete footings and foundation, steel framing, masonry | walls, and standing seam metal roof. Project provides administrative | office space, work shops, parts/supply storage, customer waiting area, | conference/break room, miscellaneous supply storage, restrooms, and | mechanical room. Includes all parking, utilities, and landscaping. | Air Conditioning: 15 Tons.

0.90

11. REQUIREMENT: 5,800 SF ADEQUATE: 0 SUBSTANDARD: 3,200 SF

| PROJECT: Construct a Military Family Housing Maintenance Facility.
| (Current Mission)

REQUIREMENT: An adequate facility is required for the MFH maintenance contractor to stage and conduct maintenance on all family housing units on Sheppard AFB. The facility must be located near the majority of family housing units yet visually screened to lessen the impact of an industrial facility placed adjacent to residential neighborhoods. The facility must provide handicap access, adequate parking for both employees and customers, and vehicular access for delivery trucks.

CURRENT SITUATION: The MFH maintenance shop is located in a 3,200 SF wood frame facility that was built in 1952. The current facility is inadequately sized, poorly configured, energy inefficient, has inadequate parking for employees, and requires excessive maintenance due to the general deteriorated condition of the building.

IMPACT IF NOT PROVIDED: The MFH maintenance contractor will be forced to continue operating from a facility that is inefficient and inconvenient to the customers of the housing maintenance operation. Cost associated with required maintenance of the existing facilities will become an increasing burden on available resources.

AREA COST FACTOR

1. COMPONENT		2. DATE
AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DAT (computer generated)	•
	ION AND LOCATION	
	FORCE BASE, TEXAS	
4. PROJECT T		5. PROJECT NUMBER
  REPLACE FAMII	LY HOUSING MAINTENANCE FACILTY	VNVP964005
	This project meets the criteria/scope specifi book 1190, "Facility Planning and Design Guid	
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. COMPONENT								12	. DAT	E
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AIR FORCE			outer					i		
. INSTALLATI	ON AND L			-	MMAND			15	. ARE	A CONST
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STRENGTH	•	OFF ENL								TOTAL
. As of 30 S	-						25		103	
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7. Ella 11 200		7. INV			(\$000	`			1200	5,52.
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. Inventory	-		FD 941					2	01,53	11
. Authorizat									11,79	
. Authorizat 1. Authorizat				~~=m·					9,50	
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g. Remaining			rears.							0
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n. Grand Tota B. PROJECTS F		THE STATE DO	OCDAM.	דיע ז	1006				76,03	7.3
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/11-142 REPI		LY HOUSING,			50	UN	9,50	4 TU	RN KI	ΣY
PHA	ASE 1									
ea. Future I	Projects:	Included :		Follo		Progi		Y 199		EY
9a. Future I 711-142 REPI PH/	Projects: LACE FAMI ASE 2	LY HOUSING,			50	UN	7,35			EY
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Pa. Future I 711-142 REPI PHI 9b. Future I	Projects:  LACE FAMI ASE 2  Projects: or Major	LY HOUSING,  Typical P Functions:	lanned An A	Next	50 Four	UN Year:	7,35 3: ad air	9 TO	Wing	with
Pa. Future F 711-142 REPF PHA Pb. Future F LO. Mission Chree C-141 a	Projects:  LACE FAMI  ASE 2  Projects: or Major  squadrons	Typical P Functions: ; an Air Fo	lanned An A	Next ir Conserve	Four mbat C C-141	UN Years	7,35	39 TU	wing	with wing;
Pa. Future Particle P	Projects:  LACE FAMI ASE 2  Projects:  or Major squadrons r Defense	Typical P Functions: ; an Air Fo Sector, wh	lanned An A rce Re ich wi	Next ir Con serve	Four mbat C C-141 nsolid	UN Yearsomman	7,35 3: ad air ociate into t	of Turk of the Airliche Weiter	wing	with wing; n Air
Pa. Future F 711-142 REPI PH Pb. Future I 10. Mission three C-141 a Northwest Air	Projects:  LACE FAMI ASE 2  Projects:  or Major squadrons r Defense or 95/2 a	Typical P Functions: ; an Air Fo Sector, wh nd be assig	lanned An A rce Re ich wi ned to	Next ir Conserve	Four mbat C C-141 nsolid Air Na	Years omman asso ate :	7,35  3:  nd air  ociate  into t	of Turk of the Airliche Weiter	wing	with wing; n Air
Pa. Future F 711-142 REPI PH Pb. Future I 10. Mission three C-141 a Northwest Air	Projects:  LACE FAMI ASE 2  Projects:  or Major squadrons r Defense or 95/2 a	Typical P Functions: ; an Air Fo Sector, wh nd be assig	lanned An A rce Re ich wi ned to	Next ir Conserve	Four mbat C C-141 nsolid Air Na	Years omman asso ate :	7,35  3:  nd air  ociate  into t	of Turk of the Airliche Weiter	wing	with wing; n Air
Pa. Future F 711-142 REPI PH Pb. Future I 10. Mission three C-141 a Northwest Air	Projects:  LACE FAMI ASE 2  Projects:  or Major squadrons r Defense or 95/2 a	Typical P Functions: ; an Air Fo Sector, wh nd be assig	lanned An A rce Re ich wi ned to	Next ir Conserve	Four mbat C C-141 nsolid Air Na	Years omman asso ate :	7,35  3:  nd air  ociate  into t	of Turk of the Airliche Weiter	wing	with wing; n Air
9a. Future I 711-142 REPI PH/ 9b. Future I	Projects:  LACE FAMI ASE 2  Projects:  or Major squadrons r Defense or 95/2 a	Typical P Functions: ; an Air Fo Sector, wh nd be assig	lanned An A rce Re ich wi ned to	Next ir Conserve	Four mbat C C-141 nsolid Air Na	Years omman asso ate :	7,35  3:  nd air  ociate  into t	of Turk of the Airliche Weiter	wing	with wing; n Air
Pa. Future F 711-142 REPI PH 9b. Future F 10. Mission three C-141 a Northwest Air	Projects:  LACE FAMI ASE 2  Projects:  or Major squadrons r Defense or 95/2 a	Typical P Functions: ; an Air Fo Sector, wh nd be assig	lanned An A rce Re ich wi ned to	Next ir Conserve	Four mbat C C-141 nsolid Air Na	Years omman asso ate :	7,35  3:  nd air  ociate  into t	of Turk of the Airliche Weiter	wing	with wing; n Air
Pa. Future F 711-142 REPI PH Pb. Future I 10. Mission three C-141 a Northwest Air	Projects:  LACE FAMI ASE 2  Projects:  or Major squadrons r Defense or 95/2 a	Typical P Functions: ; an Air Fo Sector, wh nd be assig	lanned An A rce Re ich wi ned to	Next ir Conserve	Four mbat C C-141 nsolid Air Na	Years omman asso ate :	7,35  3:  nd air  ociate  into t	of Turk of the Airliche Weiter	wing	with wing; n Air

1. COMPONENT		2. DATE
FY 1996 MILITARY CONST	TRUCTION PROJECT DATA	
AIR FORCE (computer of	generated)	
3. INSTALLATION AND LOCATION	4. PROJECT TITLE	
	REPLACE FAMILY HOUSI	NG,
MCCHORD AIR FORCE BASE, WASHINGTON	PHASE 1	
5. PROGRAM ELEMENT   6. CATEGORY CODE   7.	PROJECT NUMBER   8. PROJE	CT COST(\$000)

8.87.41 711-142 PQWY964001 9,504

9. COST ESTIMATE	:S			
	T		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	50	78,149	3,907
SUPPORTING FACILITIES				4,672
SITE PREPARATION	LS			(1,722)
ROADS AND PAVING	LS			( 250)
UTILITIES	LS			( 665)
LANDSCAPING/RECREATION	LS			( 100)
GARAGES	LS			( 265)
DEMOLITION/ASBESTOS/LBP REMOVAL	LS			( 695)
LAND ACQUISITION	LS			( <u>975</u> )
SUBTOTAL	1			8,579
CONTINGENCY (5%)	ļ			429
TOTAL CONTRACT COST				9,008
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			495
TOTAL REQUEST				9,504
		<u> </u>		ļ
				. !
		<u> </u>		
AREA COST FACTOR 1.08				

| 10. Description of Proposed Construction: Replace 50 substandard housing | units. Includes land acquisition, site preparation, utilities, roads, | landscaping, neighborhood recreation areas. Amenities include heating, | air-conditioning, carpeting, garages, appliances, patios, and privacy | fencing. Includes demolition of existing units, asbestos and lead-based | paint removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	1.08	60	48	3,732,480
JNCO 4BR	1350	1.08	60	2_	174,960
		<del></del>		50	3,907,440

| 11. PROJECT: Replace substandard family housing units. (Current Mission) | REQUIREMENT: Project will provide modern and efficient housing for | military members and their families assigned at McChord AFB. All units | will meet "whole house/neighborhood" standards and provide a safe, | comfortable, and appealing living environment comparable to the off-base | civilian community. Land acquisition of 20 acres is required. There is | no land or housing available for use on Fort Lewis Army Post. | CURRENT SITUATION: This project replaces houses constructed in 1941. | These houses were identified as uneconomical to upgrade in 1972 and the | FY73 Military Construction Authorization, Public Law 92-545, authorized | the Secretary of Defense to declare these units substandard. These | 55-year old houses are located in the high noise (65-70 LDN AICUZ) and | industrial area of the base, are undersized, meet none of the "whole | house/neighborhood" standards, and show effect of continuous heavy use.

ī	1. COMPONENT		2. DATE
1	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	
1	AIR FORCE (computer generated)		
Ī	3. INSTALLATION AND LOCATION		
İ			
İ	MCCHORD AIR FORCE BASE, WASHINGTON		
Ī	4. PROJECT TITLE	5.	PROJECT NUMBER
İ			
j	REPLACE FAMILY HOUSING, PHASE 1		POWY964001

needs of today's families. There is no interior storage, the laundry is located in an exterior area common to two units used to house the heating system. There are no entry foyers, the only entry opens directly into the living room. Bedrooms are undersized with negligible closet space. Electrical, water and sewer systems are the original. Off street parking is limited to one paved space per unit or none due to terrain constraints. IMPACT IF NOT PROVIDED: Military members and their families will be forced to continue living in substandard, uninhabitable units because affordable off-base housing is not available. The current Housing Market Analysis, dated Apr 94, shows a deficit of 208.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". AF/CE Ltr,

They have had no major upgrades since construction and do not meet the

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". AF/CE Ltr, undated, states, "Under no circumstances will the units be considered for improvement or upgrading", therefore, an economic analysis has not been accomplished. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSIN		DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SYI R)1716	MBOL
3. DOD COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE	a. NAME				b. LOCATI				
5. DATA AS OF 1993	McCHOI	RD AIR FORCE BASE	CURRENT			TACOMA, W	WASHINGTON		
ANALY	/SIS	C	URRENT				PROJEC		
0		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER		E3 - E1	TOTA
REQUIREMENTS	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL ST	RENGTH	677	3,021	775	4,473	536	3,050	782	4,36
7. PERMANENT PARTY PE	RSONNEL	677	3,021	775	4,473	536	3,050	782	4,36
8. GROSS FAMILY HOUSI	NG REQUIREMENTS	490	2,338	222	3,050	347	2,364	228	2,93
9. TOTAL UNACCEPTABLY	V HOUSED (a + b + c)	430	2,330	222	3,030	047	2,304	240	2,30
		36	643	31	710				
a. INVOLUNTARILY	SEPARATED	2	3	1	6				
b. IN MILITARY HOU DISPOSED/REPLA		0	0	0	0				
	HOUSED IN COMMUNITY		640	30	704				
10. VOLUNTARY SEPARAT	IONS								
1. EFFECTIVE HOUSING F	REQUIREMENTS	13	108	7	128	6	109	7	12
		490	2,338	222	3,050	341	2,255	221	2,81
12. HOUSING ASSETS (a	+ 0)	452	1,615	187	2,254	322	1,569	170	2,06
a. UNDER MILITARY	CONTROL	117	776	88	981	117	776	88	98
(1) HOUSED IN E OWNED/COP		117	776	88	981	117	776	88	98
	TRACT/APPROVED					0	0	0	-
(3) VACANT	· · · · · · · · · · · · · · · · · · ·	0	0	0	0			5	
(4) INACTIVE				17-1-18					
b. PRIVATE HOUSIN	G	0	0	0	0				
		335	839	99	1,273	205	793	82	1,08
(1) ACCEPTABLY	HOUSED	324	811	96	1,231				
(2) ACCEPTABLE	VACANT RENTAL	11	28	3	42				
3. EFFECTIVE HOUSING D	EFICIT	38	723	35	796	19	686	51	75
4. PROPOSED PROJECT		36	, 25	33	,,,,				
5. REMARKS							50		

15. REMARKS

DO FORM 1523, NOV 90

1. COMPONENT			2. DATE
`k	FY 1996 MILITARY O	CONSTRUCTION PROJECT DATA	
AIR FORCE	(comput	ter generated)	1
3. INSTALLAT	ON AND LOCATION	4. PROJECT TITLE	
İ			
ANDERSEN AIR	FORCE BASE, GUAM	HOUSING MANAGEMENT	FACILITY
5. PROGRAM EI	EMENT   6 . CATEGORY CODE	E 7. PROJECT NUMBER  8. PROJ	ECT COST(\$000)

8.87.41 610-119 AJJY959801R4 1,700 9. COST ESTIMATES UNIT COST (\$000) ITEM U/M QUANTITY COST HOUSING MANAGEMENT FACILITY LS 945 SF 4,500 210 HOUSING MGT FACILITY SUPPORTING FACILITIES LS UTILITIES

945) 589 190) **PAVEMENTS** LS 90) SITE IMPROVEMENTS LS 160) LS 99) FIRE SUPPRESSION 5,000 50) PREWIRING FOR WORKSTATIONS EA 10 SUBTOTAL 1,534 CONTINGENCY (5%) 77 TOTAL CONTRACT COST 1,611 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 89 1,700 TOTAL REQUEST

10. Description of Proposed Construction: Reinforced concrete structure, concrete slab foundation and roofing system. Facility includes offices, restrooms, counseling and meeting rooms, customer reception area, computer/storage areas, and interior and exterior play areas. Includes utilities, fire suppression system, prewiring for workstations, parking, and site improvements.

2.24

Air Conditioning: 7 Tons.

AREA COST FACTOR

4,500 SF ADEQUATE: 0 SUBSTANDARD: REQUIREMENT: PROJECT: Family housing management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned and operated family housing assets, for assisting all arriving personnel in finding on or off-base housing, and for managing family housing furnishings operations (one-stop shopping concept). Facility will contain all housing management functions including administration, operation, inspection, counseling and referrals. It must be located for convenient access by arriving personnel and other customers. It must be accessible by disabled/special needs personnel. Plays areas will provide a safe, secure, and attractive environment for children of customers. CURRENT SITUATION: The existing housing management office is located in a converted family housing duplex facility. The conversion took place in 1978 when there was a surplus of housing. Over the years the housing situation has changed. Today the facility could be better utilized as a family housing unit and the base has a critical need for a facility that is designed to better accommodate the housing functions. The existing facility cannot be efficiently reconfigured to house the growth in staff. Functionally, the facility has many shortcomings and does not have many of the features required by today's standards. The existing facility will be

1. COMPONENT		2. DATE
FY 1996	MILITARY CONSTRUCTION PROJECT D	ATA
AIR FORCE	(computer generated)	<u> </u>
3. INSTALLATION AND LOCA	TION	
ANDERSEN AIR FORCE BASE,	GUAM	
4. PROJECT TITLE		5. PROJECT NUMBER
•		
HOHETNE MANAGEMENT PACTI	TTV	L AJJY959801R4

converted back to its original use after completion of the new housing management facility.

IMPACT IF NOT PROVIDED: The family housing management function will continue to operate in a facility designed for use as family living quarters which is undersized and inadequate as a housing management facility. The furnishings management function will remain decentralized resulting in an inefficient and fragmented operations. Personnel requiring services will be inconvenienced when visiting the housing office due to the lack of sufficient space and amenities.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190. "Facility Planning and Design Guide".

a. As of 30 SEP 94   210   1968   321   b. End FY 2000   208   1906   319    7. INVENTORY DATA (\$000)  a. Total Acreage: ( 3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY CODE PROJECT TITLE SCOPE	5. AREA CONS   5. AREA CONS   COST INDE   1.00   SUPPORTED     CIV OFF ENL   CIV   TOTAL   321   1290   188   4,29   321   1290   188   4,23
INSTALLATION AND LOCATION  UNITED STATEMENT  FORCES IN FORCE IN FORCE	PES AIR   COST INDECUTOR   1.00   1.0
INCIRLIK AIR BASE, TURKEY  6. PERSONNEL STRENGTH OFF ENL CIV OFF ENL a. As of 30 SEP 94   210   1968   321   b. End FY 2000   208   1906   319   7. INVENTORY DATA (\$000) a. Total Acreage: ( 3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE  711-142 REPLACE FAMILY HOUSING 150  9a. Future Projects: Included in the Following 199b. Future Projects: Typical Planned Next Four 100. Mission or Major Functions: A wing with no 199 force structure responsible for regional logistics and control for deployed forces. As a combined Us facility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	PES AIR   COST INDECUTOR   1.00   1.0
INCIRLIK AIR BASE, TURKEY  6. PERSONNEL STRENGTH OFF ENL CIV OFF ENL a. As of 30 SEP 94   210   1968   321   b. End FY 2000   208   1906   319    7. INVENTORY DATA (\$000)  a. Total Acreage: ( 3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY CODE PROJECT TITLE SCOPE  711-142 REPLACE FAMILY HOUSING 150  9a. Future Projects: Included in the Following 19b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no process tructure responsible for regional logistics and control for deployed forces. As a combined Utifacility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	UROPE   1.00   SUPPORTED     CIV   OFF   ENL   CIV   TOTAL     321   1290   188   4,29     321   1290   188   4,23     198,559     2,400     10,146     FY 1997)   0     0   0
STRENGTH  STRENGTH  A. As of 30 SEP 94  B. End FY 2000  C. Authorization Not Yet In Inventory:  Authorization Requested In This Program:  Authorization Included In Following Program:  B. Planned In Next Four Program Years:  C. Remaining Deficiency:  C. Authorization Included In Following Program:  C. Authorization Included In Following Program:  C. Authorization Included In Following Program:  C. Authorization Included In Following Program:  C. Planned In Next Four Program Years:  C. Remaining Deficiency:  C. Grand Total:  C. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE  PROJECT TITLE  SCOPE  711-142 REPLACE FAMILY HOUSING  150  TOTAL  9a. Future Projects: Included in the Following Program:  10. Mission or Major Functions: A wing with no proceed the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of aircraft and multinational forces engaged to the process of	SUPPORTED   CIV OFF ENL  CIV TOTAL   321   1290   188   4,29   321   1290   188   4,23  198,559 2,400 10,146 FY 1997) 0 0
STRENGTH  a. As of 30 SEP 94   210   1968   321     b. End FY 2000   208   1906   319      7. INVENTORY DATA (\$000)  a. Total Acreage: ( 3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE PROJECT TITLE SCOPE  711-142 REPLACE FAMILY HOUSING 150  TOTAL  9a. Future Projects: Included in the Following 199b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no process of aircraft and multinational forces engaged	CIV OFF ENL CIV TOTAL   321   1290   188   4,29   321   1290   188   4,23  198,559   2,400   10,146   FY 1997)
a. As of 30 SEP 94   210   1968   321     b. End FY 2000   208   1906   319      7. INVENTORY DATA (\$000)  a. Total Acreage: ( 3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE PROJECT TITLE SCOPE  711-142 REPLACE FAMILY HOUSING 150  TOTAL  9a. Future Projects: Included in the Following 199b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no 1990 force structure responsible for regional logistics and control for deployed forces. As a combined Use facility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	321   1290   188   4,29   321   1290   188   4,23
Total Acreage: ( 3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE  711-142 REPLACE FAMILY HOUSING 150  9a. Future Projects: Included in the Following 1996. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no produced to the structure responsible for regional logistics and control for deployed forces. As a combined Use facility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	198,559 2,400 10,146 FY 1997) 0 0
7. INVENTORY DATA (\$000) a. Total Acreage: ( 3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE  711-142 REPLACE FAMILY HOUSING 150  9a. Future Projects: Included in the Following 199b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no process for the structure responsible for regional logistics and control for deployed forces. As a combined Use facility, Incirlik supports a composite wing (processes)	198,559 2,400 10,146 FY 1997) 0 0
a. Total Acreage: (3,471) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE 711-142 REPLACE FAMILY HOUSING 150 TOTAL 9a. Future Projects: Included in the Following 1996. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no process for the project of the proje	198,559 2,400 10,146 FY 1997) 0 0
b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE 711-142 REPLACE FAMILY HOUSING 150 TOTAL 9a. Future Projects: Included in the Following 1996. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no proceed the structure responsible for regional logistics and control for deployed forces. As a combined Use facility, Incirlik supports a composite wing (proceed types of aircraft and multinational forces engaged	2,400 10,146 FY 1997) 0 0
c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE 711-142 REPLACE FAMILY HOUSING 150 TOTAL 9a. Future Projects: Included in the Following 1996. Future Projects: Typical Planned Next Four 100. Mission or Major Functions: A wing with no proceed the structure responsible for regional logisticated and control for deployed forces. As a combined Use facility, Incirlik supports a composite wing (protetypes of aircraft and multinational forces engaged	2,400 10,146 FY 1997) 0 0
d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE 711-142 REPLACE FAMILY HOUSING 150 TOTAL 9a. Future Projects: Included in the Following 199b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no proceed the structure responsible for regional logisticated and control for deployed forces. As a combined Use facility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	10,146 FY 1997) 0 0
e. Authorization Included In Following Program:  f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996  CATEGORY  CODE PROJECT TITLE SCOPE  711-142 REPLACE FAMILY HOUSING 150  TOTAL 9a. Future Projects: Included in the Following 199b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no proceed the project of the p	FY 1997) 0 0 0
f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE 711-142 REPLACE FAMILY HOUSING 150 TOTAL 9a. Future Projects: Included in the Following 199b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no proceed the project of the project o	0
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CATEGORY  CODE  PROJECT TITLE  SCOPE  711-142 REPLACE FAMILY HOUSING  TOTAL  9a. Future Projects: Included in the Following Management of the Projects: Typical Planned Next Four Management of the Structure Projects: A wing with no process tructure responsible for regional logistics and control for deployed forces. As a combined Use facility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	211,105
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711-142 REPLACE FAMILY HOUSING  TOTAL  9a. Future Projects: Included in the Following S  9b. Future Projects: Typical Planned Next Four S  10. Mission or Major Functions: A wing with no s  force structure responsible for regional logistics and control for deployed forces. As a combined Us  facility, Incirlik supports a composite wing (pro-	
TOTAL  9a. Future Projects: Included in the Following P  9b. Future Projects: Typical Planned Next Four P  10. Mission or Major Functions: A wing with no p  force structure responsible for regional logistical  and control for deployed forces. As a combined U  facility, Incirlik supports a composite wing (pro-  types of aircraft and multinational forces engage	(\$000) START CMPI
Pa. Future Projects: Included in the Following Pab. Future Projects: Typical Planned Next Four Page 10. Mission or Major Functions: A wing with no page 10. Mission or Major Functions: A wing with no page 10. As a combined Use 10. As a combined Use 10. As a combined Use 10. As a combined Use 10. Incirlik supports a composite wing (protypes of aircraft and multinational forces engage	UN 10,146 TURN KEY
9b. Future Projects: Typical Planned Next Four 10. Mission or Major Functions: A wing with no proceed force structure responsible for regional logisticand control for deployed forces. As a combined Usfacility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	10,146
10. Mission or Major Functions: A wing with no process of the structure responsible for regional logistics and control for deployed forces. As a combined Usfacility, Incirlik supports a composite wing (protypes of aircraft and multinational forces engaged	rogram (FY 1997) NONE
force structure responsible for regional logistic: and control for deployed forces. As a combined U facility, Incirlik supports a composite wing (pro- types of aircraft and multinational forces engage	ears:
and control for deployed forces. As a combined Us facility, Incirlik supports a composite wing (pro- types of aircraft and multinational forces engage	
facility, Incirlik supports a composite wing (pro- types of aircraft and multinational forces engage	in Turkey and command
types of aircraft and multinational forces engage	
<del></del>	risional) with various
SOUTHERN WATCH.	i in PROVIDE COMFORT AND
·	

1. COMPONENT					2. DATE
1	FY	1996 MILIT	ARY CONS	TRUCTION PROJECT DATA	
AIR FORCE		(c	omputer	generated)	
3. INSTALLATION	AND	LOCATION		4. PROJECT TITLE	
INCIRLIK AB, TU	RKEY			REPLACE FAMILY HOU	USING
5. PROGRAM ELEM	ENT	. CATEGORY	CODE 7.	PROJECT NUMBER   8. PRO	OJECT COST(\$000)

LJYC964001 10,146 8.87.41 711-142 9. COST ESTIMATES COST UNIT (\$000) U/M|QUANTITY COST ITEM REPLACE FAMILY HOUSING 7,796 51,011 (7,652) REPAIR BY REPLACEMENT 150 MFH UNITS UN 150 SOLAR LS 144) SUPPORTING FACILITIES 1,363 LS 212) SITE PREPARATION LS 191) ROADS AND PAVING LS 226) UTILITIES LS 135) LANDSCAPING LS 156) RECREATION LS 443) DEMOLITION SUBTOTAL 9,159 CONTINGENCY (5%) 458 TOTAL CONTRACT COST 9,617 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 529 10,146 TOTAL REQUEST

10. Description of Proposed Construction: Repair by replacement 150 MFH units with 150 units. Provide all necessary amenities and supporting facilities. Project includes site preparation, carports, HVAC, energy conserving solar features, parking, support infrastructure of roads and utilities, neighborhood playgrounds and recreational areas, and all landscaping.

96

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.95	48	64	2,772,480
JNCO 3BR	1200	.95	48	70	3,830,400
SNCO 3BR	1350	. 95	48	6	369,360
SNCO 4BR	1450	.95	48	4	264,480
CGO 4BR	1450	.95	48	2	132,240
FGO 3BR	1400	.95	48	2	127,680
SGO 4BR	1700	95	48	2	155,040
				150	7,651,680

| 11. REQUIREMENT: 1,357 UN ADEQUATE: 800 UN SUBSTANDARD: 557 UN | PROJECT: Repair by replacement 150 MFH units by constructing 150 new | units at Incirlik AB, Turkey. (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | housing for military members and their dependents stationed at Incirlik | Air Base. All units will meet modern housing standards. The housing will | provide a safe, comfortable, and appealing living environment comparable | to the standards provided in a typical American civilian community. The | design will provide a modern kitchen, living room, family room, bedroom

AREA COST FACTOR

•	[1. COMPONENT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ATA
	AIR FORCE (computer generated)	
	3. INSTALLATION AND LOCATION	
	INCIRLIK AB, TURKEY	
	4. PROJECT TITLE	5. PROJECT NUMBER
	REPLACE FAMILY HOUSING	LJYC964001

and bath configuration, with ample interior and exterior storage. Units will be provided with a car port and community parking for a second vehicle and visitor parking. The housing area will be provided with an adequate support infrastructure of roads and utilities. CURRENT SITUATION: Incirlik has a large deficit in Military Family Housing facilities. The on-base MFH consists of 950 units. 800 units were constructed in 1982 thru 1985 and are adequate facilities. The remaining 150 MFH units were constructed in 1961 which are in substandard condition and beyond economical upgrade/improvement. Despite extensive maintenance and repair efforts and expenses, settlement and shifting of foundations causes continuing structural damages. Cracks in the foundation are over an inch wide and run the length of the unit with differences of 1" to 4" in elevation across the crack. Electric, mechanical, and other utility systems are outdated and do not meet energy capacity and efficiency Three (3) bedroom units do not have the second bathrooms as requirements. required by US Air Force Standards Most off-base housing in the Middle-East like in the city of Adana lacks the normal ammenities that American Military personnel and their families require, namely central HVAC. Local housing is poorly constructed and the local water does not meet potable water standards. Incirlik's geographical location in the Middle East makes it a primary target for terrorist activity. AFOSI REGION 5/EAC wrote a classified assessment titled, "SUBJECT: Threat Assessment for off-base housing at Incirlik AB, TU (U)," 5 JULY 1994. Paragraph 2 provides an Unclassified summary as follows: UNCLASSIFIED: "2. (U) Terrorist threat: Both the Department of Defense and the Department of State assess the terrorist threat to Americans throughout Turkey as high. This assessment is based upon the existence of terroist organizations operating in Turkey with demonstrated histories, capabilities, and intentions of targeting, ... " (See ADDITIONAL) IMPACT IF NOT PROVIDED: There are no alternatives to living in substandard or expensive housing if families desire to avoid lengthy and costly (both finacially and psychologically) "voluntary" separations. impact will be major morale and/or financial problems for the affected families. The lower quality housing off-base will worsen the quality of life for our military personnel and their familiy. Off-base housing will not provide the security against terrorism that on-base housing can. US Government will continue to spend MFH funds conducting piecemeal maintenance and repair on outdated facilities. ADDITIONAL: This project is not eligible for NATO funding. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. Continued from CURRENT SITUATION, UNCLASSIFIED: "... as well as attacking American personnel and resources in Turkey. This threat can be discussed under three areas: Indigenous, Separatist, and Transnational terroism."

MILITARY FAMILY HOUSI	NG JUSTIFICATION	DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO		MBOL
3. DOD COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE 5. DATA AS OF	a. NAME INCIRLIK	AIR BASE			b. LOCATI	ON TURKEY			
1994									
ANAL			URRENT	L 50 . 54	TOTAL	OFFICER	PROJEC		TOTAL
	)F	OFFICER	E9-E4	E3 - E1	(d)	(e)	(f)	E3 - E1	
REQUIREMENTS 6. TOTAL PERSONNEL ST	101	(a)	(b)	(c)	(0)	(8)	(1)	(g)	(h)
b. IUIAL PERSONNEL SI	KENGIH	208	1,547	393	2,148	209	1,440	507	2,15
7. PERMANENT PARTY P	FRSONNEL	200	.,,,,,,				1,112		
7. TERMONIEM CANTEL	LIISOITIEL	195	1,454	359	2,008	200	1,347	473	2,02
8. GROSS FAMILY HOUSE	ING REQUIREMENTS								14.6
		162	1,204	277	1,643	156	1,083	243	1,48
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)				100				
		21	208	120	349				
a. INVOLUNTARILY	SEPARATED								
		0	0	0	0				
b. IN MILITARY HO					450				
DISPOSED/REPL		, 6	144	0	150				
C. UNACCEPTABLE	HOUSED IN COMMUNITY	15	64	120	199				
IO. VOLUNTARY SEPARA	TIONS			1-0					
		10	110	37	157	12	90	21	12
1. EFFECTIVE HOUSING	REQUIREMENTS								
		162	1,204	277	1,643	144	993	222	1,35
2. HOUSING ASSETS (a	+ b)			400		400	7-0	400	
- 110000 444 1740		132	897	120	1,149	126	753	120	99
a. UNDER MILITAR	Y CONTROL	117	833	ا ا	950	111	689	0	80
(1) HOUSED IN	EXISTING DOD			<del>-</del>	- 330	<u></u>	083		
OWNED/CO		116	822	اه	938	0	ا ا	0	
	TRACT/APPROVED								
						0	0	0	
(3) VACANT									
		0	0	0	0				
(4) INACTIVE									
- 000/ATC HOLION	10	1	11_	0	12				
b. PRIVATE HOUSIN	VG.	15	64	120	199	15	64	120	19
(1) ACCEPTABL	Y HOUSED	13	04	120	133	13	04	120	15
(I) ACCCITABL	11100300	15	64	120	199				
(2) ACCEPTABL	E VACANT RENTAL								
		0	0	0	0				
3. EFFECTIVE HOUSING I	DEFICIT								-
		31	318	157	506	18	240	102	36
4. PROPOSED PROJECT									
5. REMARK6						6	144	0	15

DD FORM 1523, NOV 99

### DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

#### POST ACQUISITION CONSTRUCTION

Program (In Thousands)
FY 1996 Program \$85,059
FY 1995 Program \$61,770

#### Purpose and Scope

The Air Force operates approximately 120,000 family housing units. The average age of housing units in the Air Force inventory is over 30 years. Over 60,000 of these units now require improvements or renovation to meet contemporary living standards during the next decade. Many of these units require major expenditures to repair or replace deteriorated mechanical, electrical, or structural components, and to provide some of the modern amenities found in comparable community housing. The Post Acquisition Construction Program provides this needed revitalization. Each project also includes a significant amount of concurrent maintenance and repair to maximize the project cost effectiveness (average per project is 60%).

The Air Force is the acknowledged DoD leader in developing the "whole house" revitalization concept. Whole house is the combination of needed maintenance and repair together with improvements to bring the unit to contemporary standards. In addition, we are looking beyond the house to the entire housing area in our requirements plan. Our "whole neighborhood" concept is being developed and includes the development of neighborhood vehicular and pedestrian circulation concepts to consider siting, density, landscaping, parking, playgrounds, recreation area and utilities, in addition to the housing unit itself.

Consistent with Authorization and Appropriation Committees' language in FY 90, the Air Force is seeking to maintain funding in this account to continue revitalizing our aging homes. Consistent with Appropriation Committees' language in FY 85, the Air Force has gathered data on the post acquisition construction projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal.

## Program Summary

Authorization is requested for:

- (1) Various improvements to existing public quarters, as described on DD Form 1391.
  - (2) Appropriation of \$85,059,000 to fund projects in FY96.

NOTE: Projects within the program are within the statutory limitation of \$50,000 per unit adjusted by area cost factor, except as identified by separate DD Form 1391.

Page No. 575

•	1. COMPONENT									2.	DATE	
•	į į	F	Y 1996 MILIT	ARY CO	ONSTRUC'	rion P	ROJECT	DATA	Ą			
_	AIR FORCE		(c	ompute	er gener	rated)						$\perp$
	3. INSTALLATI	MA NO	D LOCATION			4. PR	DJECT	TITL	2			
_	VARIOUS AIR E										JCTION	$\perp$
	5. PROGRAM EI	EMENT	6. CATEGORY	CODE	7. PRO	JECT N	JMBER	8. 1	PROJEC	CT (	COST (\$000)	1
_	8.87.42		711-000		XXX	(9600P	AIP	<u> </u>			35,059	
_	<u></u>		9	. cos	r ESTIM	ATES						$\perp$
									UNI	r	COST	
			ITEM			ן/ע	1 QUAN	TITY	COST	<u> </u>	(\$000)	
	POST ACQUISIT	CION C	ONSTRUCTION				1			ļ	85,059	
	PROJECTS TO	) IMPR	OVE FAMILY H	OUSING	3	UN	1	944	90,1	L05	( <u>85,059</u> )	
	SUBTOTAL					İ				- 1	85,059	
	TOTAL CONTRAC	T COS	Г								85,059	
	TOTAL REQUEST	?								١	85,059	
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- | 10. Description of Proposed Construction: Includes all work necessary to revitalize military family housing by providing: air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, solar screens, and more efficient heating and cooling systems. (Continued on next pages.)
- 11. PROJECT: This request is for appropriation of \$85.059 million to accomplish improvements in family housing units.

REQUIREMENT: To revitalize and improve the livability of older, obsolete family housing units, to conserve energy in these older housing units, and to bring utility systems up to current safety standards. Whole-house improvements includes but are not limited to: kitchen upgrades, bathroom additions/upgrades; repair/replacement of roofs, upgrade of mechanical & electrical systems, replacement of windows, doors, floors and exterior improvements (patios, fences, etc.)

| CURRENT SITUATION: The majority of these housing units were constructed | since the late 1940's using various design and construction criteria, with | different types of material, installed equipment, appliances, livability, | and appearance. Many utility and structural systems were designed and | constructed during years of plentiful, inexpensive energy resources. | Insulation, storm windows, etc., not previously cost effective, are now | wise investments. This program will prolong the useful life of many of | our older, less modern units by enhancing livability, reducing operation | costs and improving safety aspects.

ADDITIONAL: These projects meet the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" unless noted on the individual DD Form 1391s.

Page No

TV 1006 MILITARY CONCERNICATOR PROTECT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT (computer generated)	DATA
3. INSTALLATION AND LOCATION	
VARIOUS AIR FORCE BASES	
. PROJECT TITLE	5. PROJECT NUMBE
POST AQUISITION CONSTRUCTION	N/A
10. Description of work to be accomplished	Cummont Newleins
Location and Project	Current Working <u>Est</u> imate (\$000)
Hocacion and Flojecc	ESCIMACE (5000)
UNITED STATES	
The state of the s	
ALASKA	
ELMENDORF AFB	
IMPROVE FAMILY HOUSING (PHASE 8)	10,194
FXSB974002R1	
- Convert 48 3-bedroom units to 2-bedroom, improve	
bath, kitchen, entry way and replace siding.	
Demolish 16 units. Improve 80 units including	
attached garage addition, kitchen, bath, interior renovation and replace siding.	
Neighborhood work includes utilities,	
landscaping, pavement and recreational areas.	
Environmental work includes asbestos and	
lead-based paint compliance.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:	
None.	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.	
COLORADO	
PETERSON AFB IMPROVE MILITARY FAMILY HOUSING PHASE 7	r coo
TDKA924001P1	5,690
- Upgrade 76 housing units, supporting facilities,	
and community development improvements. Work	
will include alteration of interior spaces,	
will include alteration of interior spaces, improvement and repair of kitchens, bathrooms,	
improvement and repair of kitchens, bathrooms,	
<pre>improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and</pre>	
<pre>improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways,</pre>	
improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal.	
improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal. (Separate DD Form 1391 attached)	
<pre>improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</pre>	
<pre>improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.</pre>	
<pre>improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</pre>	
<pre>improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.</pre>	

FY 1996 MILITARY CONSTRUCTION PROJECT :	DATA
IR FORCE (computer generated)  . INSTALLATION AND LOCATION	
. Indianalist and hourist.	
ARIOUS AIR FORCE BASES	BANG 45
. PROJECT TITLE	5. PROJECT NUMBER
	37/3
OST AQUISITION CONSTRUCTION	N/A
10. Description of work to be accomplished	
	Current Working
Location and Project	Estimate (\$000)
COLORADO (CONT) USAF ACADEMY	
IMPROVE CAPEHART FAMILY HOUSING	4,029
XQPZ950030	-,
- Improve 62 Capehart units. Renovate kitchens	
and bathrooms; add family rooms, bathrooms,	
privacy fencing, garages, and trash enclosures.	
Relocate washers/dryers to main level and patios	
next to the family room/kitchen. Functional	
layouts will be modified and square footage	
increased as required. Repair interior and	
exterior features and landscape as required.	
Construct two playgrounds.	
(Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:	
Includes some radon mitigation (average cost,	
\$2,700/unit), some minor roof repairs	
(\$1,400/unit average), and basement leak repairs	
(\$4,500/unit average).	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	
DISTRICT OF COLUMBIA	
BOLLING AFB	
IMPROVE FAMILY HOUSING MGT OFFICE	401
BXUR964004	
- Work includes addition and alteration to	
existing housing office, site work, utilities as	
needed, roof/truss system to match existing	
facility. Project also provides interior	
finish, fixtures, fire protection/detection and	
provisions for handicap persons. Provide walks,	
landscaping and fenced play yard for children of	
customers of the housing office WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK ACCOMPLISHED IN PREVIOUS THREE TEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None	
HORK PROGRESSION FOR HERT THREE TERMO. HOME	

COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJ	2. DATE ECT DATA
IR FORCE	(computer generated)	
	N AND LOCATION	
ARIOUS AIR FO		
. PROJECT TIT	LE.	5. PROJECT NUMBER
POST AQUISITIO	N CONSTRUCTION	N/A
10. Descript	ion of work to be accomplished	Current Working
Lo	cation and Project	Estimate (\$000)
FLORIDA		·
ELGIN AUX	FIELD 9 (HURLBURT FIELD)	
COMMUNITY FTEV964007	IMPROVEMENT	1,120
furnishi receptac ornament mark ent driveway US HWY 9 25 units - WORK ACC	t paved multi-use trails, site ng, bus shelters, benches and litter les. Block-scale improvement of al trees, plaintings at intersection ry streets. Construct sidewalks and s including pedestrian overpass acros 8. Construct 10'x12' storage units t in Pines Shadow area. OMPLISHED IN PREVIOUS THREE YEARS: N GRAMMED FOR NEXT THREE YEARS: None	s
	LITARY FAMILY HOUSING (PHASE 1)	8,263
housing addition bathroom provides fencing, areas, a Includes asbestos	interior and exterior renovation of units. Includes utility upgrade and s to meet standards. Upgrades kitches and flooring, improves floorplans, increased energy efficiency, privacy patios, playgrounds and recreation and replaces carports with garages appliances, demolition, and /LBP and Radon remediation.	ns,
- WORK ACC routine been acc - WORK PRO routine	e DD Form 1391 attached) OMPLISHED IN PREVIOUS THREE YEARS: O and change of occupancy maintenance homplished in the previous three years GRAMMED FOR NEXT THREE YEARS: Only and change of occupancy maintenance ited in the three years following	

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT 1	DATA
AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION	
5. INDIAMENTON AND DOCKTON	
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	5. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A
10. Description of work to be accomplished	
Location and Project	Current Working Estimate (\$000)
hocacion and Project	ESCIMACE (5000)
<u>HAWAII</u>	
HICKAM AFB	
IMPROVE FAMILY HOUSING (PHASE 1) KNMD964401	19,897
- Improve 126 housing units. Work includes	
general interior and exterior modernization and	
renovation; utility upgrades and additions to	
living areas to meet current standards; improved	
floor plans; increased energy efficiency; and,	
environmental compliance. Neighborhood work	
includes utility upgrades, recreational	
facilities, pavements and landscaping.	
(Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:	
None.	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.	
ILLINOIS	
SCOTT AFB	
IMPROVE FAMILY HOUSING	4,450
VDYD974005	
- Interior and exterior modernization and	
renovation of 48 housing units. Upgrades	
kitchens, bathrooms, floor coverings, improves	
floorplans, increases energy efficiency, privacy	
fencing, patios, playgrounds, and recreation	
areas. Includes demolition and	
asbestos/lead-based paint removal.	
(Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

. COMPONENT		2. DATE
. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT 1	<u> </u>
IR FORCE	(computer generated)	
. INSTALLATIO	N AND LOCATION	
ARIOUS AIR FO		LE DROTTOM NUMBER
. PROJECT TIT	PR	5. PROJECT NUMBE
OST ACUISITIO	N CONSTRUCTION	N/A
10. Descript	ion of work to be accomplished	Character Manufacture
	and an and Businet	Current Working Estimate (\$000)
<u> 170</u>	cation and Project	ESCIMALE (\$000)
NEW JERSEY		
MCGUIRE A	FB	
IMPROVE GE	NERAL OFFICER QUARTERS	509
PTFL934017		
	four General Officer units. Reconfigure	
	ade kitchens; upgrade bathrooms,	
	al and electrical systems. Replace	
	oofs, siding, and add insulation. aster bedroom, repair porches and	
	, paint interior, and replace carpet.	
	e DD Form 1391 attached)	
-	OMPLISHED IN PREVIOUS THREE YEARS:	
	epair kitchen, landscape, \$21K. FY94:	
	patios, windows, \$51K. FY95: Replace	
	arage doors, siding; repair bathroom,	
\$56K.		
- WORK PRO	GRAMMED FOR NEXT THREE YEARS: FY97:	
Replace	garage doors, landscape, \$27K. FY98:	
	driveway, repair garage, \$24K. FY99:	
Replace	exterior lighting, repair kitchen, \$22K.	
IMPROVE FA	MILY HOUSING	9,643
PTFL964001		
- Interior	and exterior modernization and	
	on of 100 housing units. Upgrades	
	, bathrooms, floor coverings, improves	
<del>-</del>	ns, increases energy efficiency, privacy	
_	patios, playgrounds, and recreation	
	Includes demolition and	
	/lead-based paint removal.	
-	e DD Form 1391 attached) OMPLISHED IN PREVIOUS THREE YEARS: None	
	OMPLISHED IN PREVIOUS THREE YEARS: None GRAMMED FOR NEXT THREE YEARS: None	
- WORK PR(	GRANNED FOR NEAT INKEE TEARS: NONE	

			12. DATE
1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATIO	N AND LOCATION		
VARIOUS AIR FO		1	
4. PROJECT TIT	LE	5. Pl	ROJECT NUMBER
	AT CONCERNION TON	l I	N/A
POST AQUISITIO	N CONSTRUCTION		M/A
10. Descript	ion of work to be accomplished		
			nt Working
Lo	cation and Project	Estima	ate (\$000)
NORTH CAROLI	<u>NA</u>		
POPE AFB	TENDY ENTILY HOUGING		1,221
TMKH904000	LITARY FAMILY HOUSING		-,
	10 historical housing units. Upgrade		
utility	systems, alter HVAC ducts, remodel		
	and bathrooms, insulate throughout,		
	xterior finishes, replace roofs,		
	t patios with privacy fences, replace		
	nstall storm windows, repair garages,		
	ace interior finishes and hardware.		
	Asbestos and Lead-based paint removal.		
	nderground tanks.		
•	e DD Form 1391 attached) OMPLISHED IN PREVIOUS THREE YEARS: None		
	GRAMMED FOR NEXT THREE YEARS: None		
Notal Tito			
SEYMOUR-JO			222
	IVACY FENCES		311
VKAG945000	existing privacy fencing by replacing		
	wire mesh and fabric fence with a metal		
	fence. Work includes demolition of		
•	fencing; excavation for concreted post		
	d mowing strips; re-landscaping; new		
	d fence panels; grounding; and new		
gates.			
- WORK ACC	OMPLISHED IN PREVIOUS THREE YEARS: None		
- WORK PRO	GRAMMED FOR NEXT THREE YEARS: None		

FY 1996 MILITARY CONSTRUCTION PROJECT DATA  (computer generated)  . INSTALLATION AND LOCATION  ARIOUS AIR FORCE BASES  . PROJECT TITLE  . DESCRIPTION OF WORK to be accomplished  Location and Project  . MA  10. Description of work to be accomplished  Location and Project  . MA  10. Description of work to be accomplished  Location and Project  . MA  10. Description of work to be accomplished  Location and Project  . MA  10. Description of work to be accomplished  Current Working  Estimate (\$000)  OHIO  WRIGHT-PATTERSON AFB  IMPROVE FAMILY HOUSING PHASE 9  . THYPUSOU169  . Improve 82 Wherry units and 7 SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, reconfiguration of functional layout. Improve exterior, install rear entry steel doors, provide patios, privacy fences, storage sheds, and correct drainage. Add parking areas throughout. Construct addition to SOQs to add authorized square footage.  . WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None  VIRGINIA  LANGLEY AFB IMPROVE FAMILY HOUSING FIRE STATION  MULI930220  . All material, equipment, and labor required to enlarge the firefighting vehicle parking bay in the Bethel Manor Military Family Housing (MFH) Area fire station, Building 1795. The work also includes enlarging the living quarters of the fire station.  . WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None  . WORK PROGRAMMED FOR NEXT THREE YEARS: None  . WORK PROGRAMMED FOR NEXT THREE YEARS: None  . WORK PROGRAMMED FOR NEXT THREE YEARS: None	. COMPONENT		2. DATE
ARIOUS AIR FORCE BASES  PROJECT TITLE  DEST AQUISITION CONSTRUCTION  10. Description of work to be accomplished  Location and Project  MIGHT-PATTERSON AFB IMPROVE FAMILY HOUSING PHASE 9 ZHTV8200169  - Improve 82 Wherry units and 7 SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, reconfiguration of functional layout. Improve exterior, install rear entry steel doors, provide patios, privacy fences, storage sheds, and correct drainage. Add parking areas throughout. Construct addition to SOQs to add authorized square footage. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None  VIRGINIA  LANGLEY AFB IMPROVE FAMILY HOUSING FIRE STATION MOHJ930220  - All material, equipment, and labor required to enlarge the firefighting vehicle parking bay in the Bethel Manor Milltary Family Housing (MFH) Area fire station, Building 1795. The work also includes enlarging the living quarters of the fire station WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	TD HODGE		DATA
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<pre>enlarge the firefighting vehicle parking bay in the Bethel Manor Military Family Housing (MFH) Area fire station, Building 1795. The work also includes enlarging the living quarters of the fire station WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</pre>	<del>-</del>		ν.
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- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None			
- WORK PROGRAMMED FOR NEXT THREE YEARS: None			
	- WORK PR	OGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT		2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT I	DATA	!
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PR	OJECT NUMBER
T. PRODUCT TITLE		
POST AQUISITION CONSTRUCTION	į	N/A
10. Description of work to be accomplished		
10. Description of work to be documpationed	Curren	t Working
Location and Project		te (\$000)
WYOMING		
F E WARREN AFB		
IMPROVE FAMILY HOUSING PHASE 1		5,624
GHLN927185		
- Provides general interior and exterior		
modernization and renovation of 52 housing		
units. Includes upgrading heating and plumbing		
systems, remodels kitchens & replaces windows.		
Includes demolition and asbestos/lead-based		
paint removal. Nieghborhood improvements		
include tree planting, play area fencing, off		
street pedestrian trail system, & nieghborhood		
entrances/road changes.		
(Separate DD Form 1391 attached)		
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None		
- WORK PROGRAMMED FOR NEXT THREE YEARS: None		

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT D	! !
AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION	
3. INSTALLATION AND LOCATION	
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	5. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A
10. Description of work to be accomplished	
Location and Project	Current Working Estimate (\$000)
OVERSEAS	
AUSTRALIA	ļ
WOOMERA AS	
IMPROVE FAMILY HOUSING PH V	212
ZGTT964001	
- Replace heating, ventilating, and air conditioning, exterior siding, doors and windows	
for 3 housing units. Install wiring, repaint	
interior, landscape yards and install sprinkler	
system. Renovate downstairs bathroom.	İ
(Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	*
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	
į	
   GERMANY	
RAMSTEIN AB	j
IMPROVE FAMILY HOUSING (BATH TOWERS)	1,600
. YANB954552	
- Provide concrete bathroom towers for 64 apartment type housing units. Includes erection	
of precast concrete towers, installation of	
bathroom fixtures, and all plumbing, carpentry,	İ
electrical, and other work necessary to provide	!
a laundry room and a second bathroom in MFH	
units to meet minimum housing standards and needs.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	İ
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1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PRO	JECT DATA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
VARIOUS AIR F	ORCE BASES	
4. PROJECT TI	TLE	5. PROJECT NUMBE
POST AQUISITI	ON CONSTRUCTION	N/A
10. Descrip	tion of work to be accomplished	
		Current Working
I	ocation and Project	Estimate (\$000)
_		
GUAM		
ANDERSEN	AFB	
TMDROVE E	AMILY HOUSING (PHASE 7)	5.828

IMPROVE FAMILY HOUSING (PHASE 7) AJJY964402R2

- Improve 54 family housing units. Work includes enlarging the master bedroom, renovation of kitchen, bathroom, plumbing and electrical systems, and typhoon shutters; construction of outside storage and installation of package A/C system. Environmental work includes asbestos and lead based paint compliance. Neighborhood improvements include bus shelter, playground and sidewalks.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

## DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

# POST ACQUISITION CONSTRUCTION PROJECTS (over \$50,000 per unit)

A separate DD Form 1391 follows for each Post Acquisition Construction project which is over \$50,000 per unit (multiplied by the Area Cost Factor).

1. COMPONENT			2. DATE	
į F	Y 1996 MILITARY C	ONSTRUCTION PROJECT D	DATA	
AIR FORCE	(compute	er generated)		
3. INSTALLATION AND LOCATION 4. PROJECT TITLE			TLE	
j				
PETERSON AIR FORCE	BASE, COLORADO	IMPROVE FAMIL	Y HOUSING PHASE 7	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER   8	PROJECT COST (\$000)	
8.87.42	711-143	TDKA924001P1	5,690	
9. COST ESTIMATES				

	J. COST ESTIMAT	دع			
			1	UNIT	COST
ITEM		U/M	QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING PHAS	E 7	אט	76	47,500	3,610
SUPPORTING FACILITIES			1		1,651
UTILITIES		LS			( 233)
SITE IMPROVEMENTS		LS			( 226)
PAVEMENTS		LS	1		( 172)
COMMUNITY DEVELOPMENT PLA	N	LS			( 564)
ASBESTOS AND LEAD REMOVAL	i	UN	76	6,000	( <u>456</u> )
SUBTOTAL			1		5,261
CONTINGENCY (5%)					263
TOTAL CONTRACT COST			1		5,524
SUPERVISION, INSPECTION AND	OVERHEAD (3%)		1		166
TOTAL REQUEST			1		5,690
		1 1	1		
1			1		
				ļ	ļ
MOST EXPENSIVE UNIT	\$93,500		ļ	ļ	
AREA COST FACTOR	1.06				
las Deservication of Deserve	a a	7	la 76 hours	inai+	·

- | 10. Description of Proposed Construction: Upgrade 76 housing units, | supporting facilities, and community development improvements. Work will | include alteration of interior spaces, improvement and repair of kitchens, | bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, | new roofing, garages/carports, mechanical, electrical, and utilities | systems, yards, walks, driveways, fencing, and asbestos and lead removal.
- 11. REQUIREMENT: 4,743 UN ADEQUATE: 190 UN SUBSTANDARD: 301 UN PROJECT: Improve Family Housing Phase 7. This includes community development improvements. (Current Mission).

REQUIREMENT: Project is required to upgrade existing housing to current construction codes and livability standards to extend usable life of the units. This will include the upgrade of 76 existing units in accordance with the Air Force "Whole House Modernization Concept". In adjacent areas, a Community Development Plan (CDP) will also be a part of this project to include paved walking paths, upgraded and new playgrounds, area landscaping, pedestrian crossings and other miscellaneous improvements. This is the seventh of multiple phases to upgrade 491 houses. A total of 245 units have been upgraded or were approved in previous phases. Also 13 GOQ's have been renovated under other Whole House projects. This project is based on and conforms in principal to the Housing Community Plan, dated 29 July 91.

|CURRENT SITUATION: The housing units included in this project were |constructed in 1965 & 1975 using a tract housing concept, with low cost/ |high maintenance materials. Due to existing functional arrangement of |partition walls, kitchens, dining, and laundry room areas, poor |utilization of space exists. Location of kitchen appliances, counter |space, and existing partition arrangements results in poor traffic flow.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT I	DATA
AIR FORCE	(computer generated)	
	AND LOCATION	
PETERSON AIR FC	RCE BASE, COLORADO	
4. PROJECT TITL	Æ	5. PROJECT NUMBER
TMDDOVE FAMILY	HOUSING DHASE 7	TDKA924001P1

Lighting fixtures are poorly located and old ranging in age from 18 to 26 years old. Because of age and wear, complete renovation of the bathrooms is required. Existing surface finishes are antiquated and require upgrading. The metal windows with exterior storm windows have worn sliding sashes that are loose and binding. Most units lack adequate storage. Insulation, new roofing and new exterior siding are needed. Asbestos and lead based paint require removal. Surrounding outdoor recreation areas are inadequate and require upgrading and improvement. IMPACT IF NOT PROVIDED: Current housing units do not satisfy the current Air Force Quality of Life standards, forcing military families to live in facilities that are sub-standard and not consistent with the quality of today's housing construction. Housing units will continue to deteriorate at a rapid rate requiring high maintenance, repair and other contract work. The exterior surrounding community recreation areas will continue to be less than adequate. The most recent Housing Market Analysis shows a housing deficit of 1669 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The MFH Community Plan suggested phasing plan was set up for approximately 10 years. The replacement cost of the 76 units ranges from \$101,600 to \$143,900. The work in this project does not exceed a maximum of 68% of the replacement cost of any one of these units.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	[
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION 4. PROJECT TITLE	
IMPROVE CAPEHART F	AMILY
USAF ACADEMY HOUSING	

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 8.87.42 711-111 XQPZ950030 4,029

9. COST ESTIMATE	ES			
		l Ì	UNIT	COST
ITEM		QUANTITY	COST	(\$000)
IMPROVE CAPEHART FAMILY HOUSING	UN	62	53,610	3,324
SUPPORTING FACILITIES	1			402
UTILITIES	LS			( 70)
PARKING	LS			( 66)
LANDSCAPING	LS			( 49)
CLUSTER ENTRANCE	LS			( 60)
ENVIRONMENTAL HAZARD MITIGATION	LS			( 103)
CONSTRUCT RECREATION FACILITIES	LS	]		(54)
SUBTOTAL		]		3,726
CONTINGENCY (5%)				<u> 186</u>
TOTAL CONTRACT COST				3,912
SUPERVISION, INSPECTION AND OVERHEAD (3%)				117
TOTAL REQUEST				4,029
			ļ	
MOST EXPENSIVE UNIT \$86,084		]		
AREA COST FACTOR 1.06				

- 10. Description of Proposed Construction: Improve 62 Capehart units. Renovate kitchens and bathrooms; add family rooms, bathrooms, privacy fencing, garages, and trash enclosures. Relocate washers/dryers to main level and patios next to the family room/kitchen. Functional layouts will be modified and square footage increased as required. Repair interior and exterior features and landscape as required. Construct two playgrounds. Grade Mix: 62 04-010.
- 11. REQUIREMENT: 1,481 UN ADEQUATE: 75 UN SUBSTANDARD: 1,154 UN PROJECT: Provides improvements and repairs to 62 Capehart military family housing units and constructs two playgrounds.

REQUIREMENT: Project is required to provide adequate quarters for military members and their families assigned to this installation. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: These units were constructed in 1959. Kitchens, baths, windows, and siding were partially renovated between 1977 and 1983. Units do not meet current DOD standards. Kitchens need modifications to provide adequate storage cabinet and countertop areas. Most units do not have enough bathrooms. Formal/informal dining areas are too small and very few units have family rooms. The units require maintenance and repair on plumbing, heating, and electrical systems. Closet doors are difficult to operate and most laundry areas are in the basements away from the bedrooms. Mitigation of asbestos, radon, and lead-based paint is required in some units to meet EPA and Air Force standards. Existing carports and entry foyers are inadequate for climatic conditions. Landscaping is poor to non-existent.

IMPACT IF NOT PROVIDED: Occupants will continue to live in substandard

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PR	OJECT DATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
USAF ACADEMY	
4. PROJECT TITLE	5. PROJECT NUMBER
TMDPOVE CAPEHART FAMILY HOUSING	1 XOPZ950030

housing in units that do not meet Air Force standards or are of comparable quality to off-base housing. Operations and maintenance costs will continue to increase due to the age and deterioration of the facilities and building systems. Energy consumption will increase and utility expenses will continue to escalate. Morale and retention of quality Air force people will be reduced. The units will become uninhabitable. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Includes some radon mitigation (average cost, \$2,700/unit), some minor roof repairs (\$1,400/unit average), and basement leak repairs (\$4,500/unit average). WORK PROGRAMMED FOR NEXT THREE YEARS: None ADDITIONAL: The average replacement costs for the two unit types in this project are \$129,000 and \$150,000. The total work included in this project represents a maximum of 50% of the replacement cost of an individual unit. Economic analysis demonstrates improving these units is the most economical way to continue to operate them. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT			2. DATE
`k	FY 1996 MILITARY CONST	RUCTION PROJECT DATA	
AIR FORCE	(computer ge	enerated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
j		IMPROVE MILITARY FAM	MILY
MOODY AIR FORCE	BASE, GEORGIA	HOUSING (PHASE 1)	
5. PROGRAM ELEME	NT   6. CATEGORY CODE   7. I	PROJECT NUMBER  8. PROJE	ECT COST(\$000)

8.87.42 711-143 QSEU933000 8,263

0.07.42	/11-143	Q3E0333000			0,203
	9. COST	ESTIMATES			
		1		UNIT	COST
	ITEM	U/M	QUANTITY	COST	(\$000)
IMPROVE MILITARY F	AMILY HOUSING (PH 1	.)  UN	128	43,030	5,508
SUPPORTING FACILIT	IES		[ ]		2,132
UTILITIES		LS			( 622)
SITE IMPROVEMENT	S & LANDSCAPING	LS	! !		( 264)
PAVEMENTS		LS			( 301)
GARAGES/STORAGE		LS	]		( 591)
RADON, ASBESTOS,	& LBP REMOVAL	LS	1		( 245)
RECREATION FACIL	ITIES	LS	[ ]		(109)
SUBTOTAL		<u> </u>	] [		7,640
CONTINGENCY (5%)			l		382
TOTAL CONTRACT COS	T				8,022
SUPERVISION, INSPE	CTION AND OVERHEAD	(3%)	]		241
TOTAL REQUEST					8,263
		ļ I	ļ		
					ļ
MOST EXPENSIVE UNI	T \$94,	463			ļ
AREA COST FACTOR	C	.85			

| 10. Description of Proposed Construction: Provides interior and exterior | renovation of 128 housing units. Includes utility upgrade and additions | to meet standards. Upgrades kitchens, bathrooms and flooring, improves | floorplans, provides increased energy efficiency, privacy fencing, patios, | playgrounds and recreation areas, and replaces carports with garages | Includes appliances, demolition, and asbestos/LBP and Radon remediation.

11. REQUIREMENT: 1,853 UN ADEQUATE: 1,563 UN SUBSTANDARD: PROJECT: Improve 128 Military Family Housing units (Phase 1). REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Moody AFB. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to upgrade 304 houses. All units will meet "whole house" standards and are programmed in accordance with phase "A" of the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, dining room, |bedroom and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. The support infrastructure (roads and utilities) will also be upgraded to meet modern living needs. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1965-1972. These houses require major renovation and repair to correct deterioration resulting from age and heavy use. have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Kitchens are small and poorly configured. Bathrooms also require

Page No

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
MOODY AIR FORCE BASE, GEORGIA	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVE MILITARY FAMILY HOUSING (PHASE 1)	QSEU933000

enlargement and replacement of outdated fixtures, vanities, and exhaust fans. Countertops are warped, stained and deteriorated from age and use. Plumbing and lighting fixtures are deteriorated. The electrical systems do not meet modern construction codes. Ground Fault Circuit Interrupter protection is lacking from bath, kitchen, and exterior circuits. Windows and doors require replacement. Flooring is old and worn...some contains asbestos.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable operations, maintenance and repair costs, and |inconvenience to occupants. Costly repairs will continue, with little or no improvement in the living quality provided to occupants. Low morale and retention problems can be expected if such conditions are permitted to continue, since suitable, affordable off-base housing is not available. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Only routine and change of occupancy maintenance has been accomplished in the previous three years. WORK PROGRAMMED FOR NEXT THREE YEARS: Only routine and change of occupancy maintenance is anticipated in the three years following upgrade. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, renovation was found to be the most cost effective over the life of the project. The cost to improve this housing is 63% of the replacement cost.

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION | IMPROVE FAMILY HOUSING (PHASE 1) HICKAM AIR FORCE BASE, HAWAII 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 19,897 KNMD964401 711-143 8.87.42 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM 13,559 126 | 107,610 | IMPROVE FAMILY HOUSING (PHASE 1) UN 4,838 SUPPORTING FACILITIES 1 |675,000| ( 2,675) UN UTILITIES 489) ( LS RECREATIONAL FACILITIES ( 271) LS LANDSCAPING 595) lLS | PAVEMENTS 5,222 UN | 126 658) ASBESTOS/LEAD-BASED PAINT COMPLIANCE 9,375 ( 150) 16 UN I DEMOLITION/DISPOSAL 18,397 SUBTOTAL 920

\$141,700 MOST EXPENSIVE UNIT 1.64 AREA COST FACTOR 10. Description of Proposed Construction: Improve 126 housing units.

Work includes general interior and exterior modernization and renovation; utility upgrades and additions to living areas to meet current standards; improved floor plans; increased energy efficiency; and, environmental compliance. Neighborhood work includes utility upgrades, recreational facilities, pavements and landscaping.

583 UN SUBSTANDARD: 2,489 UN REQUIREMENT: 3,195 UN ADEQUATE: PROJECT: Improve 126 family housing units (Phase 1). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at this installation. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to upgrade housing units. 180 units are new and do not require upgrading. 2489 units remain to be accomplished. All units will meet whole house standards and are programmed in accordance with phase one of the Housing Community Plan. Renovated housing will provide modern kitchens, baths, and interior configurations. Whole neighborhood improvements will be provided. 16 additional units will be demolished. The units are in poor condition and cannot be economically ungraded to current whole house standards. The units are 1602 Puakauhi Court, 1641 Puapilo Court, and |1642/1643 Pilokea Court. All the units are 4-plex's. It will also reduce the density and is in line with the Hickam Housing Community Plan. CURRENT SITUATION: Units were constructed in 1964/65 and have not been renovated. The units are minimally adequate in size, require upgrade of electrical and plumbing systems, are subjected to temperatures in excess of 90 degrees during summer months, and require upgrade of kitchens and

19,317

19,897

580

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

SUPERVISION, INSPECTION AND OVERHEAD (3%)

[1. COMPONENT]	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
į	
HICKAM AIR FORCE BASE, HAWAII	
4. PROJECT TITLE 5.	PROJECT NUMBER
IMPROVE FAMILY HOUSING (PHASE 1)	KNMD964401

baths. Carports are old gang-type and must be replaced; bulk storage space is minimal; smoke detectors are lacking and some units require family rooms. Neighborhoods contain no playgrounds, sparse landscaping, and deteriorated sidewalks. Parking is congested. There is no sense of community or home.

IMPACT IF NOT PROVIDED: Members will continue to be housed in unsatisfactory and undersized units with adverse effects on morale and retention and be subjected to temperatures in excess of 90 degrees during the summer months. Without this project, these units and carports will continue to deteriorate as maintenance costs increase. Units will remain out of compliance with Air Force standards of size, livability and life safety.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The initial cost percentage of improvement versus replacement cost is 66 percent. The housing requirements analysis based on the Oahu Island-wide housing market analysis contains a projected housing deficit of 123 units.

1. COMPONENT			2. DATE
F3	( 1996 MILITARY CON	STRUCTION PROJECT DA	TA
AIR FORCE	(computer	generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT TIT	LE
SCOTT AIR FORCE BAS	SE, ILLINOIS	IMPROVE FAMILY	HOUSING
5. PROGRAM ELEMENT	6. CATEGORY CODE   7	. PROJECT NUMBER  8.	PROJECT COST(\$000)
	. I		
8.87.42	711-142	VDYD974005	4,450

9. COST ESTIMATES

9. COS1 ES1	IMAIES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING	UN	48	68,520	3,289
SUPPORTING FACILITIES				825
SITE WORK/IMPROVEMENTS	LS			( 777)
ASBESTOS & LEAD BASE PAINT REMOVAL	LS			(48)
SUBTOTAL	1			4,114
CONTINGENCY (5%)	1			206
TOTAL CONTRACT COST	Į.			4,320
SUPERVISION, INSPECTION AND OVERHEAD (3%	)			130
TOTAL REQUEST				4,450
		l l		1
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				1
	]			1
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MOST EXPENSIVE UNIT \$85,663		]		1
AREA COST FACTOR 1.14				
		-		1

- | 10. Description of Proposed Construction: Interior and exterior | modernization and renovation of 48 housing units. Upgrades kitchens, | bathrooms, floor coverings, improves floorplans, increases energy | efficiency, privacy fencing, patios, playgrounds, and recreation areas. | Includes demolition and asbestos/lead-based paint removal.
- | 11. PROJECT: Improve family housing (Phase B). (Current Mission) | REQUIREMENT: To provide a comfortable and appealing living environment | comparable to the off-base civilian community for military members and | their families at Scott AFB. This project is programmed to meet "whole | house" standards IAW the Scott AFB Housing Community Plan.

CURRENT SITUATION: These units were constructed in 1970 and require major renovation to correct deterioration resulting from age and heavy use. They have had only routine maintenance and repairs since construction and do not meet the needs of today's families nor provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet current safety codes. Ground Fault Circuit Interrupter protection is not provided. Windows, siding and insulation require replacement. The units have inadequate storage, patio or backyard privacy.

| IMPACT IF NOT PROVIDED: Air Force members and families will continue to | be inadequately housed. Low morale and retention problems can be expected | since suitable, affordable off-base housing is not available. Units will | continue to deteriorate resulting in escalating operations, maintenance | and repair costs to the Government.

Previous editions are obsolete.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT		2. DATE
İ	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
j		
SCOTT AIR FO	RCE BASE, ILLINOIS	
4. PROJECT T		. PROJECT NUMBER
IMPROVE FAMI	LY HOUSING	VDYD974005

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The cost to improve this housing is 63% of the replacement cost.

1. COMPONENT								2.	DATE	
\	FY 19	96 MILITARY C	ONSTRUC	TION P	ROJECI	DAT	A	]		
AIR FORCE			er gene	rated)				<u></u>		
3. INSTALLATI	ON AND LO	CATION		4. PRO	JECT	TITL	E			
				IMPROV	E GEN	ERAL	OFFI	CER	5	
MCGUIRE AIR F				QUARTE						
5. PROGRAM EL	EMENT   6.	CATEGORY CODE	7. PRO	JECT N	MBER	8.	PROJEC	T (	COST(\$0	00)
	[		1							
8.87.42		711-111	PTF	L934017	•	Ĺ			509	
		9. COS	r estim	ATES						
				1	]		UNIT	[	COST	'
	IT			U/M	QUAN	TITY	COST		(\$000	) [
IMPROVE GENER	AL OFFICE	RS QUARTERS		UN		4	117,5	00	4	70
SUBTOTAL								]	4	70
CONTINGENCY (	- '			İ				i		24
TOTAL CONTRAC								]	4 !	94
SUPERVISION,		N AND OVERHEAL	0 (3%)					ĺ	_:	15
TOTAL REQUEST								İ	50	09
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MOST EXPENSIVE		\$146	,790		1	]				j
AREA COST FACT	ror		1.19	1	1	1		İ		i

10. Description of Proposed Construction: Improve four General Officer units. Reconfigure and upgrade kitchens; upgrade bathrooms, mechanical and electrical systems. Replace doors, roofs, siding, and add insulation. Expand master bedroom, repair porches and ceilings, paint interior, and replace carpet.

1.19

11. PROJECT: Improve 4 General Officer units.

REQUIREMENT: To provide adequate quarters for the McGuire Wing Commander, Numbered Air Force Commanders, and Air Mobility Warfare Center Commanders adequate quarters commensurate with their responsibilities and duties. This project is programmed to meet "whole house" standards IAW the McGuire AFB Housing Community Plan.

CURRENT SITUATION: The existing units are over thirty years old and the scope of repairs required are beyond the capability of the scheduled yearly maintenance limits. Major renovation is required to correct deterioration resulting from age and heavy use. The units have recieved only routine maintenance and repairs and do not meet the needs of today's family nor provide a modern home environment. The climatic controls are energy inefficient and have exceeded their economic life span. electrical system does not meet current safety codes and the panel boxes exceed capacity. The radiant hot water heating system leaks and has caused extensive damage to the ceilings and floors. The bathrooms are small and have outdated fixtures. There is insufficient closet and storage space.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government. Energy consumption will increase due to age and deterioration of inadequate and inefficient building systems causing utility costs to

[1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAY	A1
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
	I
MCGUIRE AIR FORCE BASE NEW JERSEY	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVE GENERAL OFFICERS OHARTERS	PTFT.934017

| increase. Quality of life for the general officers and their families | will not be commensurate with position and rank. | WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY93: Repair kitchen, | landscape, \$21K. FY94: Replace patios, windows, \$51K. FY95: Replace | doors, garage doors, siding; repair bathroom, \$56K. | WORK PROGRAMMED FOR NEXT THREE YEARS: FY97: Replace garage doors, | landscape, \$27K. FY98: Replace driveway, repair garage, \$24K. FY99: | Replace exterior lighting, repair kitchen, \$22K. | ADDITIONAL: An economic analysis has been prepared comparing the | alternatives of new construction, revitalization, leasing and status quo | operation. Based on the net present values and benefits of the respective | alternatives, revitalization was found to be the most cost efficient over | the life of the project. The cost to improve this unit is 47% of the | replacement cost. Project will bring unit 4502 up to allowable net square | footage of 2310.

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY IMPROVE FAMILY HOUSING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

COOP POTEMATES

711-143

8.87.42

PTFL964001

9. COST ESTIMA	TES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING	UN	100	74,700	7,470
SUPPORTING FACILITIES				1,446
STORM DRAINAGE	LS			( 150)
SANITARY SERVICE	LS			( 425)
WATER DISTRIBUTION	LS			( 250)
ASBESTOS & LEAD BASE PAINT REMOVAL	LS			( 300)
COMMUNITY IMPROVEMENTS	LS			( <u>321</u> )
SUBTOTAL			ļ	8,916
CONTINGENCY (5%)				446
TOTAL CONTRACT COST				9,362
SUPERVISION, INSPECTION AND OVERHEAD (3%)				<u>281</u>
TOTAL REQUEST				9,643
MOST EXPENSIVE UNIT \$99,225	- 1			
AREA COST FACTOR 1.19				

- |10. Description of Proposed Construction: Interior and exterior modernization and renovation of 100 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. |Includes demolition and asbestos/lead-based paint removal. PROJECT: Improve family housing (Phase B). (Current Mission)
- REQUIREMENT: To provide a comfortable and appealing living environment comparable to the off-base civilian community for military members and their families at McGuire AFB. This project is programmed to meet "whole house" standards IAW the McGuire AFB Housing Community Plan. CURRENT SITUATION: These units were constructed in 1961 and require major renovation to correct deterioration resulting from age and heavy use. They have had only routine maintenance and repairs since construction and do not meet the needs of today's families nor provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet current safety codes. Ground Fault Circuit Interrupter protection is not provided. Windows, siding and insulation require replacement. The units have inadequate storage, no patio or backyard privacy. The units lack air conditioning; covered vehicle parking; cable and telephone wiring is exposed.

IMPACT IF NOT PROVIDED: Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows an off-base deficit of 246 units. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.

9,643

L1. COMPONENT			2. DATE
FY	1996 MILITARY CONSTRUCTION PROJECT DA	ATA	
AIR FORCE	(computer generated)		
3. INSTALLATION AND	LOCATION		
1			
MCGUIRE AIR FORCE BA	SE, NEW JERSEY		
4. PROJECT TITLE		5.	PROJECT NUMBER
IMPROVE FAMILY HOUSI	NG	Ĺ	PTFL964001

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The cost to improve this housing is 66% of the replacement cost. Utility rebate coordination will be done by Jersey Central Power and Light to ensure units are energy efficient and to enable the base to quality for a utility rebate. Project will also provide handicapped accessible units.

1. COMPONENT			2. DATE
\	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	i
3. INSTALLATION AN	ND LOCATION	4. PROJECT	TITLE
		IMPROVE MIL	TARY FAMILY
POPE AIR FORCE BAS	SE, NORTH CAROLINA	HOUSING (HIS	STORICAL UNITS)
5. PROGRAM ELEMENT	r   6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
8.87.42	711-144	TMKH904000	1.221

9. COST ESTIMA	TES			
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
IMPROVE MILITARY FAMILY HOUSING		]		
(HISTORICAL UNITS)	UN	10	93,600	936
SUPPORTING FACILITIES	İ	i i	i	193
SITE PREPARATION	LS	i i	i	( 10)
UTILITIES	LS	i i	İ	( 40)
LANDSCAPE AND NEIGHBORHOOD IMPROVEMENT	LS	i i	i	( 22)
GARAGES AND STORAGE	LS	ĺ	i	( 36)
ASBESTOS AND LEAD-BASED PAINT REMOVAL	LS	ĺ	ĺ	( 85)
SUBTOTAL	i i	İ	į	1,129
CONTINGENCY (5%)	Ìi	ĺ	į	56
TOTAL CONTRACT COST	ĺĺ	İ	į	1,185
SUPERVISION, INSPECTION AND OVERHEAD (3%)		į	į	36
TOTAL REQUEST	Ì	İ	i	1,221
	i i	į	i	•
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	i i	į	i	
MOST EXPENSIVE UNIT \$136,000	İİ	İ	į	
AREA COST FACTOR 0.86	_ii	i	i	
10 Description of Proposed Comptonistics	_	1 : .		

- 10. Description of Proposed Construction: Improve 10 historical housing units. Upgrade utility systems, alter HVAC ducts, remodel kitchens and bathrooms, insulate throughout, repair exterior finishes, replace roofs, construct patios with privacy fences, replace doors, install storm windows, repair garages, and replace interior finishes and hardware. Includes Asbestos and Lead-based paint removal. Remove underground tanks.
- 11. REQUIREMENT: 1,967 UN ADEQUATE: 970 UN SUBSTANDARD: 459 UN PROJECT: Improve Military Family Housing (Historical Units). (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Pope AFB. To the extent permitted by regulations governing houses listed on the National Register of Historic Places. The housing must be upgraded to meet current life safety codes and provide an environment comparable to the off-base civilian community. Historical preservation requirements preclude the facilities from meeting all "whole house" standards, but, to the extent practical, they will provide updated, modern housing |conveniences. Renovated housing will provide a modern kitchen, living room, dining room, bedroom and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. The support infrastructure (roads and utilities) will also be upgraded to meet modern living needs. Remove underground oil tanks, and convert to natural gas. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1933. These houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no

•	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ΓA	İ
_	AIR FORCE (computer generated)		[
	3. INSTALLATION AND LOCATION		
	POPE AIR FORCE BASE, NORTH CAROLINA		
	4. PROJECT TITLE	5.	PROJECT NUMBER
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	IMPROVE MILITARY FAMILY HOUSING (HISTORICAL UNITS)	ĺ	TMKH904000

major upgrades, other than kitchen remodeling, since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Interior finishes need replacement and upgrade. The heating and air conditioning systems are inefficient and require replacement, to include ducting. There is no wall or ceiling insulation. The windows, doors and framing are 63 years old and are a major cause of energy loss. Exterior finishes are deteriorated and require replacement. Electrical wiring and plumbing must be upgraded to meet modern construction codes. Asbestos and lead-based paint are evident throughout the houses. community surrounding Pope AFB does not have sufficient, adequate housing assets to support existing requirements and programmed realignment actions. The latest Housing Market Analysis shows a deficit of 418 units. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable operations, maintenance and repair costs, and inconvenience to occupants. Costly repairs will continue, with little or no improvement in the living quality provided to occupants. Low morale and retention problems can be expected if such conditions are permitted to continue, since suitable, affordable off-base housing is not available. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. However, the historical nature of the housing dictates that the units be improved rather than replaced. The cost to improve this housing is 81% of the replacement cost. The high cost is attributable to historical preservation/renovation requirements.

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WHERRY FAMIL					UN	82	50,270	(4,122)
ADD TO & ALT			R HOUSING	;	UN	7	145,168	3 (1,016)
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OFF STREET		G			LS			( 100)
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SUBTOTAL				ļ		ļ		5,548
CONTINGENCY (5	-							277
TOTAL CONTRACT						ļ		5,825
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TOTAL REQUEST				ļ	[			6,000
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| 10. Description of Proposed Construction: Improve 82 Wherry units and 7 | SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing | interior surfaces, reconfiguration of functional layout. Improve | exterior, install rear entry steel doors, provide patios, privacy fences, | storage sheds, and correct drainage. Add parking areas throughout. | Construct addition to SOQs to add authorized square footage.

11. REQUIREMENT: 5,300 UN ADEQUATE: 3,911 UN SUBSTANDARD: PROJECT: Improve 89 family housing units. (Current Mission) REQUIREMENT: Adequate living quarters are required for families of military members assigned to this base. Improvements needed to Wherry housing units include installation of rear entry steel doors, patios with screens for privacy, and area improvements to facilitate family recreation, safety and quality of life. Provide additional off street parking to alleviate congestion. Additional living space along with minor reconfiguration and upgrades of utilities in the existing structures are necessary to bring these units up to livability standards of similiar quarters both on and off base. Upgrades of electrical, plumbing and HVAC systems are needed to comply with building codes and to improve safety and reliability. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the ninth of multiple phases to provide adequate housing for base personnel. Of the 1,540 units to be improved in this multi-phase initiative, 808 are completed or included in prior programs, and 643 will follow. CURRENT SITUATION: The Wherry units were constructed in the 1950's and have had no major improvements since original construction. Each building houses between four and 12 families and offers precious little privacy. Because of exposure to weather conditions and heavy usage, the rear entry

Page No

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| wooden doors have deteriorated. Because of high density of this | development, the occupants have no outdoor privacy. The SOQs were | constructed in 1935 and are located in a proposed historic district. They | have had only routine repairs and minor improvements. The wiring and | plumbing consist of the original systems in both Wherry and SOQ units | mixedwith some newer material added over the years. The SOQs are well | below the authorized 1700 NSF. The proposed additions will provide a | master bedroom with bath. Two types of Wherry housing units require | additions of approximately 344 square feet to reach the authorized space | and internal renovation and reconfiguration to meet current housing | standards.

IMPACT IF NOT PROVIDED: Major morale problems will result if this improvement initiative is not supported. Some Air Force members and their families will continue to be housed in unsuitable conditions, while neighbors and friends are in drastically improved units. These units will continue to deteriorate past the point of repair, resulting in loss of valuable economic assets to the Air Force. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable housing is unavailable. The current Housing Market Analysis shows a family housing deficit of 689 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives for replacement construction, improvement, and status quo operation. Based on the net present value and benefits of the respective alternatives, improvement found to be the most cost effective over the life of the project. The cost to improve this housing is 65 percent of the replacement cost.

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE IMPROVE FAMILY HOUSING F E WARREN AIR FORCE BASE, WYOMING PHASE 1 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) 8.87.42 711-144 GHLN927185 5,624 9. COST ESTIMATES UNIT COST ITEM U/M|QUANTITY COST (\$000) IMPROVE FAMILY HOUSING (PHASE 1) ו אטו 52 74,540 3,876 SUPPORTING FACILITIES 1,324 ASBESTOS/LEAD BASED PAINT REMOVAL LS (510) UNDERGROUND ELECTRICAL/STREET LIGHTING LS ( 274) OFF STREET TRAIL SYSTEM LS 66) | LANDSCAPING/IRRIGATION LS 220) NEIGHBORHOOD ENTRANCE/ROAD CHANGES LS 254) SUBTOTAL 5,200 CONTINGENCY (5%) 260 TOTAL CONTRACT COST 5,460 SUPERVISION, INSPECTION AND OVERHEAD (3%) 164 TOTAL REQUEST 5,624 MOST EXPENSIVE UNIT \$106,545 AREA COST FACTOR 1.02 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of 52 housing units. Includes upgrading heating and plumbing systems, remodels kitchens & replaces windows. Includes demolition and asbestos/lead-based paint removal. Nieghborhood improvements include tree planting, play area fencing, off street pedestrian trail system, & nieghborhood entrances/road changes.

11. REQUIREMENT: 2,069 UN ADEQUATE: 1,178 UN SUBSTANDARD: PROJECT: Improve Family Housing (Phase 1). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at F E Warren AFB. The historic housing must be upgraded to meet current life safety codes and provide a comfortable and appealing living environment comparable to the off-base civilian community. This phase of historic housing was not included in the HCP as it was to be accomplished prior to the HCP being developed. Funds were not available to award the project, so these historic units have been included in a revised HCP phasing plan. This is the first of multiple phases to upgrade 252 houses. No units have been upgraded or approved for upgrade previously. All units will meet "whole house" standards and are programmed in accordance with phase 1 of the revised Housing Community Plan.

CURRENT SITUATION: This project upgrades and modernizes housing constructed between 1885 and 1932. These 100 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. No major upgrades have been made to these units for 30 years. The units do not meet the needs of today's families, nor do they provide a modern home environment. The existing heating system is the original coal fired, cast iron steam boiler, which was converted to gas.

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I	MPROVE FAMII	LY HOUSI	NG PI	ASE 1			i	GHLN9271	185

The distribution system is the original one pipe steam line with cast iron radiators. Electrical & plumbing systems do not meet codes. Ground Fault Circuit Interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Kitchens are old and need remodeling. original lath and plaster walls and ceilings are badly cracked and can no longer be repaired by patching and painting. All flashings, gutters, and downspouts require replacement. This project will bring the units to current standards, and no other improvements are required at this time. IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increased operating, maintenance and repair costs to the Government and inconvienence to the residents. Construction of new officer/enlisted housing will be required if these buildings are allowed to deteriorate. Low morale and retention problems can be expected if existing conditions are allowed to continue, since suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows an on-base housing deficit of 429 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An abbreviated economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net present values and benefits of the respective alternatives, plus the fact these brick units are on the National Register of Historic Places and cannot be demolished, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 97% of the replacement cost.

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SUPPORTING FACILITIES	j	j		j 8 j			
SITE IMPROVEMENTS	LS	ĺĺĺ		j (8)			
SUBTOTAL	j	j j		196			
CONTINGENCY (5%)	i	j j		10			
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TOTAL REQUEST	į i	İ		212			
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MOST EXPENSIVE UNIT

\$83,347 1.62

|10. Description of Proposed Construction: Replace heating, ventilating, |and air conditioning, exterior siding, doors and windows for 3 housing |units. Install wiring, repaint interior, landscape yards and install |sprinkler system. Renovate downstairs bathroom.

11. REQUIREMENT: 27 SF ADEQUATE: 24 SF SUBSTANDARD: 3 SF PROJECT: Improve Family Housing. (Current Mission)

REQUIREMENT: Adequate housing for military personnel and their families as required by Air Force Quality of Life Standards consistent with the quality of today's housing construction. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the surrounding community. No other housing is available in this remote desert environment. This project is phase 5 of 5 projects to upgrade 27 houses. All units will meet "whole house" standards. Twenty-four units have been upgraded or are approved in previous phases, and the three remaining are to be accomplished in this phase.

CURRENT SITUATION: The NASA units were constructed in 1960 to then current Australian standards. The original siding has weathered 30 years in this harsh desert environment. Thermal protection is not provided by existing siding. Original window frames are difficult to operate. The reverse cycle HVAC systems were designed for use in the climate of Adelaide, South Australia (a coastal city), not the extreme temperatures found in Woomera (located in the outback). During the summer months, the temperature reaches 112 F and during the winter, below 45 F. These units do not provide sufficient heating and cooling. The galvanized gutter system is corroded. Storm water drainage piping is broken and clogged from the debris flowing through the rotted gutter system. Village

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IMPROVE FAMILY HOUSING PH V	ZGTT964001

directives call for reducing sodded areas to 150 Sq Meters per housing unit. All homes exceed this limit.

IMPACT IF NOT PROVIDED: The housing does not satisfy current Air Force Standards. Families are forced to live in facilities that are substandard and not consistent with the quality of today's housing construction. The poor condition of our units stands out like a sore thumb. Woomera is a joint defense community with the Austalian Department of Defense. Our homes are integrated into the overall housing area and do not comply with the Woomera Village housing concept. Morale problems will arise if the community perceives that U. S. military families are living in delapidated units. Further, substandard housing does not portray the desired image of the United States Air Force.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new contruction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 40% of the replacement cost.

### DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

#### ADVANCE PLANNING AND DESIGN

Program (In Thousands)
FY 1996 Program \$8,989
FY 1995 Program \$9,275

#### Purpose and Scope

This program provides for preliminary studies to develop additional family housing facilities, one time multi-phase design, and housing community plan (HCP) developments; studies for site adaptation and determination of type and design of units; and working drawings, specifications, estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction program.

### Program Summary

Authorization is requested for:

- (1) Advance planning and design for future year housing programs;
- (2) FY 96 Appropriation of \$8,989,000 to fund this effort as outlined in the following exhibit:

Page No. 610

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10. Description of Proposed Construction: Architect-engineer services, surveys, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Air Force Family Housing Account.

#### 11. PROJECT:

REQUIREMENT: The funds requested are necessary to procure architectengineer services to make site and utility investigations; one time
multi-phase design, and housing community plan (HCP) developments; for the
preparation of design and specifications of advance plans for future year
housing programs in connection with any family housing new or post
acquisition construction programs.

IMPACT IF NOT PROVIDED: The funds requested are neccessary to support the development of the Housing Community Plans and to support the new construction and post acquisition construction programs.

### DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

OPERATIONS, UTILITIES AND MAINTENANCE (Excluding Leasing and Debt)

<u>Program (In Thousands)</u>
FY 1996 Program \$733,519
FY 1995 Program \$712,062

### Purpose and Scope

- a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:
- (1) Management. Includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporation-Trust Company to provide the required corporate presence in Delaware. United States Air Force Housing, Inc., continues as the entity holding title to Capehart and Wherry real property. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.
- (2) Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal, street cleaning.
- (3) Furnishings. Procures household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; controls furnishings inventories; maintains and repairs such items.
- (4) Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, and similar costs.
- b. <u>Utilities</u>. Includes all utilities serving family housing, purchased and base produced, except telephone.
- c. <u>Maintenance</u>. Provides upkeep of family housing real property, as follows:
- (1) Maintenance/Repair of Dwellings. Service calls, routine maintenance, repairs and replacement.

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### DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

- (2) Exterior Utilities. Maintenance and repair of water, sewer, electric, heat and gas lines located within family housing areas.
- (3) Other Real Property. Upkeep of grounds, roads, parking areas, and other property for the exclusive use of family housing not discussed above.
- (4) Alteration and Additions. Minor alterations to dwellings or housing support facilities. Larger scope or higher dollar value items are funded in the construction program.

Considering the effects of actual base closures and proposed overseas force structure draw downs, the Air Force family housing budget requests minimum essential resources to provide military families with housing either in the private market, through assistance from a housing referral office, or in government housing. Increased emphasis has been placed on the proper funding of the family housing operations and maintenance program. The Air Force's FY 1996 Operations and Maintenance program includes the following areas of emphasis:

- \* Maintain the livability of the existing housing inventory worldwide.
- \* Utility consumption per unit is being reduced due to a program of energy goals which places increased management emphasis on conservation and due to whole house improvement efforts.
- \* Funding for government appliances and furniture consistent with cost/benefit studies, the delivery of new housing units which need government supplied appliances and the redistribution of appliances from closure bases.
- \* Reduction of furnishings inventories in accordance with base closure schedules. Redistribution of excess furnishings from closure bases to the other bases remaining open.
- \* Includes \$4.0 million for contract cleaning at overseas locations only. The budgeted amount will allow cleaning of approximately 17,000 units at an average per unit cost of \$256.00.
- \* Continuing the special effort to lower operations and maintenance costs in high cost quarters.

### DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996/97 BUDGET REQUEST

This budget request is for funds needed to meet must pay operations and utilities expenses, as well as the maintenance and repair of our existing housing inventory at over 110 major installations. We also provide referral services to members seeking housing in the private sector. The Air Force shares the concerns of the Congress to improve support to military families and to properly maintain the housing inventory. This budget supports a long-range program responding to Congressional desires while considering the current environment of budget restraint.

Operations and Maintenance Program Summary - Highlights
Authorization/Appropriation is requested in FY 1996 for \$733,519,000.
This amount, together with estimated reimbursements of \$13,151,000, will fund the FY 1996 Operations and Maintenance program of \$746,670,000.

A summary of the funding program for FY 1996 is as follows (\$ in thousands):

Operations Util Maint Ttl Direct Reimburse- Total Request Request Request ment Program \$127,009 \$197,539 \$ 408,971 \$ 733,519 \$ 13,151 \$746,670

AIR FORCE FAMILY HOUSING FY 1996 BUDGET E (Excludes Leases)	STIMATE		EXHIBIT FH-2 MAJCOM: all	Worldwid
inventory Data	FY 95		FY96	
Units in Beginning of Year Units at End of Year	122,202 116,576	=======================================	116,576 111,081	=======
Average Inventory for Year	1 19,389 === =================================	=======================================	113,829	
Funding Requirements(\$000)	Total Cost	Unit Cost	Total Cost	<b>Unit Cost</b>
Operations (Direct)				
Management	48,424	406	47,080	41
Services	33,781	283	33,177	29
Furnishings	43,840	367	43,000	37
Miscellaneous	5,794	49	5,678	5
SubTotal Gross Oblig.	131,839	1,104	128,935	1,13
Anticipated Reimbursements	2,408	20	1,926	1
Direct Obligation. Operations	129,431	1,084	127,009	1,11
Jäilties - (TOA)	206,990	1,734	206,942	1,81
Anticipated Reimbursements	9,147	77	9,403	8
Direct Obligation Utilities	197,843	1,657	197,539	1,73
faintenance				
M&R Owellings	280,011	2,345	302,151	2,65
M&R Ext. Utilities	48,406	405	50,242	44
M&R Other Real Property	27,743	232	28,683	252
Alter & Add.	28,628	240	29,717	261
SubTotal Gross Obligations	386,564	3,238	410,793	3,609
Anticipated Reimbursements Direct Obligation Maintenance	1,776 384,788	15 3,223	1,822 408,971	16 3,593
rand Total, O&M - TOA	725,393	6,076	746,670	6,560
rand Totai, O&M - NOA		0	733,519	6,444

### DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

Operations (\$ in Thousands)

F<u>Y 1996 Request</u> \$127,009

The FY 1996 program represents Air Force family housing requirements and was developed using OSD/OMB approved inflation and foreign currency formulation rates. Adjustments have been made for actual base closures and proposed overseas force structure draw downs. Each program sub-account is described in detail in the following analysis:

Management. The Management account includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporate-Trust Company to provide the required corporate presence in Delaware. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.

1.	FY 1995 Appropriation Conference Position:	\$45,076
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$45,076
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$ 940
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$46,016
10.	Price Growth	\$ 1,334
11.	Functional Program Transfer:	None
12.	Program Increases:	None
13.	Program Decrease: Base Closure, Drawdowns, Demolitions (-5,560	units) \$-2,196
14.	FY 1996 Budget Request:	\$45,154

#### Analysis of Change in Management

With fewer houses to support, the Management requirement is reduced. As a result of Round II/III Base Closure, Castle AFB, KI Sawyer AFB, Griffiss AFB, and Plattsburgh AFB were closed in FY95. March AFB will be closed in FY96 as a result of Round III Base Closure.

The Management account is not per unit specific since there is a basic level of support and manning for the housing office regardless of the number of units. The request includes increases for inflation. The increases are offset by a decrease in housing management offices as a result of base closure and drawdown actions.

There is no programmatic growth above inflation.

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<u>Services</u>. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal; street cleaning.

Military Family Housing Activities are effected by many new environmental standards. The environmental legislative changes from states and foreign country's have evolved quicker than planned leading to a highly uncertain ability to predict program growth. New initiatives to control lead based paint, asbestos, leak detection on underground heating fuel storage tanks, spill/overflow protection and corrosion control are also covered within this account. Increases to land fill costs are programmed however we anticipate these to continue to increase in the future.

1.	FY 1995 Appropriation Conference Position:	\$32,724
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$32,724
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	None \$1,057
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$33,781
10.	Price Growth:	\$980
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560 units)	\$-1,584
14.	FY 1996 Budget Request:	\$33,177

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (SERVICES CONTINUED)

#### Exhibit OP-5

#### Analysis of Changes in Services

With fewer houses to support, the Services requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

<u>Furnishings.</u> Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

While the exact number of military families and timing of the overseas draw down is still occurring, continued support of bases will remain open as necessary to maintain adequate backup stock of appliances and furnishings for our overseas dependent families.

Also, certain furniture items will continue to be needed. Loaner sets of furniture are issued to military families overseas to let them occupy permanent quarters prior to the arrival of personally owned furniture and to let personnel stay in permanent quarters after furniture is shipped due to a change of station. Loaner sets reduce the cost of Temporary Quarters allowances which makes loaner furniture very cost effective. Other items of household furnishings normally built into U.S. houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets or appliances, are issued to military families.

Leases in Europe require closets and cabinets to be issued along with the appliances since rental units overseas do not have the same accommodations as are available in the states.

The furnishings account funds essential furnishings at levels consistent with cost/benefit studies and the need of the Air Force. Much of the funding requested in the furnishings account results from an analysis of the most economical use of funds for the government and avoids costs in other accounts such as military allowance and other support appropriations.

1.	FY 1995 Appropriation Conference Position:	\$42,852
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$42,852
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$ 988
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$43,840
10.	Price Growth:	\$ 1,271
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560 units)	\$-2,111
14.	FY 1996 Budget Request:	\$43,000

#### Analysis of Changes in Furnishing

With fewer houses to support, the Furnishing requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

<u>Miscellaneous.</u> Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments (i.e. United Kingdom, Australia) to operate Permit Housing units occupied by Air Force personnel, and similar costs.

1.	FY 1995 Appropriation Conference Position	\$ 5,794
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$ 5,794
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$ 5,794
10.	Price Growth:	\$ 168
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560)	\$ J-284
14.	FY 1996 Budget Request:	\$ 5,678

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (MISCELLANEOUS CONTINUED)

#### Analysis of Changes in Miscellaneous

With fewer houses to support, the Furnishing requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

Utilities. This project provides for all utilities consumed in government-owned family housing. Included is electricity, heating, water, and sewage and waste systems. MFH facilities consume approximately one-fifth of Air Force facility energy usage; therefore, MFH residents and management share a significant role in the achievement of Air Force energy reduction goals. Since MFH occupants are not billed for their energy consumption, conservation motivation must be rooted in other than financial incentives. The single most effective incentive is command emphasis. Energy projects to install set back thermostats, water heater jacket insulation and insulation of crawl and attic spaces have had good results toward the attainment of Air Force energy conservation goals.

1.	FY 1995 Appropriation Conference Position:	\$178,472
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$178,472
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$10,340
7.	Program Increases: Recalculation of requirement based on historical data to substantiate that FY 1995 was under budgeted. The FY 1993 actuals and FY 1994 estimated actuals confirmed the additional requirement for FY 1995.	\$ 9,031
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$197,843
10. a. b.	Price Growth: Inflation Foreign Currency Rate Adjustment to New Budgeted Rates	\$ 5,737 \$ 5,300
11.	Functional Program Transfers:	None

### DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (UTILITIES CONTINUED)

#### Exhibit OP-5

12.	Program Increases:	None
13. a. b.	Program Decreases: Energy Conservation Savings Base Closure, Drawdowns, Demolitions (-5,560 units)	\$ -1,694 \$ -9,647
14.	FY 1996 Budget Request:	\$197,539
_		

#### Analysis of Changes in Utilities

With fewer houses to support, the Utility requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710) units will be removed from inventory in FY96/97 as a result of Round III Base Closure.

The burdensharing adjustments with Japan stabilize in FY95 and the downward trend does not appear in FY96 and out.

The requirement for FY 1996 is based on historical obligation trends which continue to be influenced by mild weather and energy conservation savings resulting from whole house improvements and energy conservation projects. The budgeted amount in the FY95 PB was below the historical projections based on an analysis of actual FY93 and actual estimates for FY94.

We anticipate realigning \$9.0M into the Utilities Sub-Account during FY95 to fully fund the requirements based on historical trends from FY89/94. Therefore, after utility costs are corrected in FY95, percentage change from FY96 to FY97 is below inflation. The consumption usage stream shown in the following table is consistent with the Air Force goals of reducing energy consumption and costs.

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (UTILITIES CONTINUED)

#### Exhibit OP-5

#### UTILITIES (000K)

ENERGY CONSUMPTION	FY 94	FY95	<u>FY96</u>
Electricity	1,797	1,765	1,751
Fuel Oil (Bbls)	396	393	390
Natural Gas (KCF)	6,469	6,393	6,330
Coal (MBTUs)	392	360	356
Purchased Steam (MBTU	s) 580	580	578

The Budget request for utilities in FY 1996 includes the costs of electricity, coal, gas, fuel oil, water and sewage treatment. Overall, utility rates are stabilizing. Continued conservation efforts are reducing consumption and costs. The primary reason for cost growth is due to inflation which is offset by continued emphasis on conservation of utilities.

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

<u>Maintenance</u>. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs. Provides upkeep of family housing real property.

1.	FY 1995 President's Budget:	\$383,644
2.	Congressional Adjustments: Oahu	\$ 23,500
3.	FY 1995 Appropriated Amount	\$407,144
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6. a. b. c. d.	Functional Program Transfers: Oahu Housing Transfer from the Army Management (940) Services (1,057) Furnishings (988) Utilities (10,340)	\$ <b>-</b> 13,325
7.	Program Increases:	None
8.	Program Decreases:  Recalculation to support increased  Utility requirement based on historical data from FY 1993/1996	\$-9,031
9.	FY95 Current Estimate:	\$384,788
10. a. b.	Price Growth: Inflation Foreign Currency Rates Adjusted for the Budgeted FCF Rates	\$ 11,159 \$ 5,300
11.	Functional Program Transfers:	None
12. a. b.	Program Increases: Additional Maintenance Dollars added to arrest DMAR growth Quality of Life Increase	\$33,564 \$ 3,500
~ •	zadiloj ol milo inologo	¥ 3,300

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (MAINTENANCE CONTINUED)

#### Exhibit OP-5

13.	Program Decreases:	
a.	Fewer Units to support as a	\$-19,194
	result of Base Closures, Drawdowns,	
	Demolitions (-5,560 units)	
b.	Proper Inflation Adjustment	\$- 6,146
c.	Nonpay Purchase Inflation Adjustment	\$- 4,000
14.	FY 1996 Budget Request	\$408,971

## Analysis of Changes in Maintenance Program

The above funding profile includes one change to the FY95 appropriated level. We anticipate realigning \$9.0M during FY95 to the Utility Sub-Account to fully fund the requirements based on historical trends from FY89/94.

With fewer houses to support, the Maintenance requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96 as a result of Round III Base Closure.

Previously limited maintenance funding and a high occupant turnover has accelerated deterioration of the Air Force's aging housing inventory.

Constrained funding has resulted in a greater reliance on temporary fixes which has in the long run only exacerbated the deterioration of our housing units. In addition, the infrastructure which supports the units is now beyond its projected economic life at most of our installations. Several systems have failed and many are on the verge of failure.

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (MAINTENANCE CONTINUED)

## Exhibit OP-5

This budget reflects the Air Force corporate decision to increase emphasis on maintenance and repair of our dwellings to ensure availability of quarters which meet existing standards. we use to measure our effectiveness against these standards is to track the impact of the funded program against the Deferred Maintenance and Repair (DMAR). This year, the Air Force has made a concerted effort to scrub DMAR requirements. When funding is lower than maintenance requirements, asset deterioration accerelates and the amount of affected housing units and infrastructure grows. growth is above inflation and also increases the scope of future programmed work. More emergency repairs occur which are disruptive, costly, and man-hour intensive. The backlog also generates other jobs (i.e., delayed roof projects require additional work to fix leaks, patch and paint ceilings, etc.). The Total Maintenance requirements reflected on the DMAR chart (on the following page), reflects only those projects which are required to meet and sustain approved standards.

This request reflects the decision to fund maintenance at a level which partially arrests DMAR growth. As reflected in the DMAR chart, this level of funding will reduce the DMAR growth beginning in FY96.

The following chart illustrates the Backlog of Deferred Maintenance (In then Year M).

Fiscal Year	FY 93	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>
Backlog Proj Backlog Actual Closure Offset	1,311 - 223	1,032 755 0	800 865 0	913 TBD 0
O&M Requirement*	441	431	433	424
Total Requirement O&M Funding	1,529 497	1,186 386	1,298 385	1,337 409
O&M Backlog EOY Backlog Red/ (Growth)	1,032 279	800 (45)	913 (48)	928 (15)
Inventory	128,083	122,077	119,389	113,829

<sup>\*</sup> Adjusted to revised inflation and inventory numbers.

A one time adjustment occurred at the end of FY93. The FY93 Year-End Backlog of \$1,032M was reduced to \$755M at the start of FY94 due to three reasons: (1) A reduction of \$121M in BRAC III projects removed from the list, (2) \$42M due to bid savings (a more favorable bid environment), and (3) \$95M for projects that were dropped from the list due to a revalidation of requirements. The BRAC units will be closed between FY95 and the end of FY96.

There is an impact on M&R requirements and the DMAR when the level of investment funding is lower than the requirement. We generally have projected the investment impact but have chosen not to use these numbers in the future since the tracking of the unfunded investment program and the related interface with maintenance costs vary so greatly over time that accurate projections become subjective. While we cannot precisely track the value, there are obvious impacts to the O&M program. An investment requirement not funded results in a maintenance requirement that is exceedingly more costly than a newly renovated facility.

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If "whole house" renovations are delayed for too long, emergency projects to fix specific systems (i.e. roofs) must be accomplished in the interim, driving up life-cycle costs.

This new method of displaying DMAR has been successful in projecting costs since it requires an annual project validation. This method will bring more discipline and accuracy to our DMAR numbers.

Quality family housing has a great impact on the lives of our members and the readiness of our forces. It is for this reason that we believe the maintenance dollars the Air Force has programmed in this budget will have a payback far greater than that which can be measured in terms of average unit costs.

# HISTORICAL HOUSING COST (\$ IN THOUSANDS)

	FY 1994	FY 1995	FY 1996
A. Number of Units	1,511	1,511	1,511
B. Improvements	\$ 5,814	\$ 5,030	\$ 3,414
C. Maint & Repair	\$ <u>2,824</u>	\$ <u>2,401</u>	\$ <u>2,468</u>
GRAND TOTAL	\$ 8,638	\$ 7,431	\$5,882

# FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed \$15,000 per unit.

The number of projects have increased significantly over previous years. This is primarily due to the growing number of units that are waiting on investment funding that must be repaired to continue occupancy of the unit. Since over 60 percent of the average investment project includes major maintenance and repair actions, we can cover some of the problems through the O&M program. While these projects are shown as a line item, the budget is formulated to an overall maintenance and repair requirement. The overall maintenance requirement is not affected by the number of projects requested over threshold.

The \$15,000 limit has been in effect since 1984 and should be increased to a reasonable limit considering the rate of inflation. We have traditionally held down the number of projects that were over the threshold for the Investment program. This will need to increase since the number of houses waiting for revitalization are increasing. Revising the maintenance limit with inflation would help keep the number of projects over threshold down.

#### UNITED STATES

Location	No. <u>Units</u>	Year <u>Built</u>	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
ALABAMA							
Maxwell	45	1934	30.0	3,623	91,100	1,350	397

Narrative: Existing roof tiles are in need of repair. Many tiles are broken and some are missing. Roof penetrations are leaking and must be replaced with new flashing. Portions of decking have rotted and should be replaced.

#### CALIFORNIA

Travis 68 1957 41.1 1,253 85,204 2,797 None

Narrative: Work includes replacing roofs, carport posts, patio slabs, doors, evaporative coolers, and furnace with 2.5 ton HVAC, overhead electric service entrance to underground, main electrical panels, siding and insulation, and other related and incidental work necessary for a complete and usable facility.

30 1957 79.0 1,253 7,500 1,854 None

Narrative: Work includes replacing roofs, carport posts, patio slabs, doors, evaporative coolers, and furnace with 2.5 ton HVAC, overhead electric service entrance to underground, main electrical panels, siding and insulation.

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# FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

Also replaces electrical wiring and associated components, and light fixtures. Removes and reinstalls smoke detectors, telephone outlets and devices. Replaces doors, kitchen cabinets, countertops, sinks, garbage disposals, bathroom fixtures, fittings, and floor tiles. Replacement of gypsum board walls, ceilings, finishes, and other related and incidental work necessary for a complete and usable facility.

Location	No. Units	Year <u>Built</u>	Per Unit <u>Cost</u>	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
Vandenberg	172	1959	18.9	1,064	183,008	3,254	None

Narrative: This project is phase 3 of a multiphased project that replaces overhead galvanized water pipes that are corroded and leaking, ruining sheet rock walls/ceilings and light fixtures. The water pipes are full of mineral deposits severely restricting flow resulting in minimal water pressure for showering and washing. The electrical system is a two-prong ungrounded system that is unsafe especially in bathrooms and kitchens. It is incompatible with modern three-prong appliances rendering them unsafe if used on a two-prong system. In addition, the existing 50 Amp services need to be upgraded to handle the increased load of numerous appliances not available in the 1960's. This project will provide grounding and increased electrical capacity where necessary and replace the deteriorated water piping. This project will supply the minimum requirement of reliable water and safe electricity to the homes.

#### MASSACHUSETTS

Hanscom 1 1957 30.0 1,628 1,628 30.0 None

Narrative: Repair the roof and install new fiberglass sheathing.

#### NEBRASKA

Offutt 19 1960(2) 23.7 1,190 22,876 450.0 263.0 1961(1) 1963(10) 1967(5) 1975(1)

Narrative: Repairs foundations, concrete block basement walls and garage floor slabs, sidewalks, drainage tiles; remove asbestos and lead paint; miscellaneous repairs required to ensure the units remain habitable.

#### OKLAHOMA

Vance 1 1960 20.0 2,162 2,162 20.0 17.0

Narrative: Existing driveway has deteriorated beyond repair. Surface scaling, cracks, and spalling present a hazardous condition.

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# FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

Location	No. Units	Year <u>Built</u>	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)	
SOUTH CARC	LINA							
Charleston	84	1957	21.5	1,287	108,108	1,651.0	39.0	

Narrative: Work includes replacing deteriorated single pane windows with energy saving double pane windows. Replacement of deteriorated high maintenance wood siding with vinyl siding. Replacement of exterior doors and locks with energy efficient exterior doors. These units were constructed in 1957 and do not meet modern standards of energy efficiency and maintainability. The single pane windows require constant labor intensive maintenance and greatly increased energy consumption. Exterior doors are drafty and are not insulated.

#### TEXAS

Lackland 8 1958 31.2 1,354 10,834 250 0

Narrative: Shifting foundation has caused extensive cracking in the housing unit. Repairs to foundation, doors, windows, floors, and baseboards must be accomplished.

Randolph 1 1950 45.0 2,134 2,134 45.0 0

Narrative: Basement walls are cracked and window has rotted enabling water to enter when it rains. Sealing walls and replacing windows is required.

56 1950 35.7 2,134 119,497 2,000 66.5

Narrative: Repair columns, wall studs, floor joists, water damaged insulation, and leaking windows. Replace exterior wall finishes.

# Sheppard

46 1952 32.0 1,100 50,600 1,472 101.6

Narrative: Renovate kitchen/baths; replace roofs, floor coverings, interior and exterior doors, window blinds, water heater vents, switches, HVAC units, and diffusers. Install ground fault interrupters, doorbells, and rain gutters; paint interiors.

# FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

Location	No. Units	Year Built	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)		
OVERSEAS									
GUAM									
Andersen	100	1960	34	1,150	115,000	3,400.0	None		
Narrative: Phase 7 of a multiphased project that will replace severely deteriorated elastomeric foam roofs with built-up roofs.									
JAPAN									
Kadena	22 25	1952	20.0	1,401	30,822	400.0	None		
	25 4	1953 1954	20.0	1,427 1,056	35,676 4,224	500.0 80.0	None None		
	24	1953	20.0	1,342	32,208	480.0	None		

Narrative: Phase 1 of a multiphased project to replace interior electrical wiring, switches, outlets, light fixtures, and fuse boxes. The wiring system has reached the end of its useful life and has neither ground wires included with the house wiring nor ground fault interrupters. Project will modernize house wiring system to meet current standards.

#### KOREA

Osan 8 1975 40.0 1,800 14,400 320.0 271.0

Narrative: Repair bathrooms, utilities/HVAC systems and related interior work. Repair exterior walls, concrete patios, fences and landscaping.

## SPAIN

Moron 36 1954 36.8 1,190 42,840 1,325.4 None

Narrative: Repair kitchens, bathrooms, laundry areas, windows, doors, roofs, patio, plumbing, and interior electrical utilities. Install covered trash receptacle holding area and enclose laundry area. Replace floor covering, and paint interiors and exteriors of each unit.

# FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

			Per				Improvements/	
	No.	Year	Unit	Unit	Proj	Total	Non-Routine M&R	
Location	<u>Units</u>	Built	Cost	(NSF)	(NSF)	Cost(\$K)	\$K FY89-93)	

**GERMANY** 

Ramstein 22 1954 53.0 1,400 30,800 1,167.0 None

Narrative: Replace closets and doors; kitchen fixtures, sinks, and cabinets; bathroom fixtures, sinks and tubs; water, heat, radiator, and sewage lines; entrance, exit, fire, and basement doors. Replaces 2-wire electrical system with 3-wire grounded system. Replace electrical fixtures, outlets, switches, fuse boxes, doorbells, and intercom systems. Replace antenna system with master antenna system. Install dishwashers and hardwire fire detection, replace all smoke detectors in stairwells. Repair and replace floor/wall tiles and plaster/paint throughout. Construct laundry area in the bathroom of 18 units.

108 1954 20.5 1,290 139,320 2,218.2 None

Narrative: This project will provide all work necessary to repair kitchens and bathrooms in 108 MFH units. Replace kitchen cabinets, counter tops, floor tiles, baseboards, bathroom tiles, floor coverings, water supply lines, sanitary fixtures, electrical system; provide masonry and painting of walls, ceilings, doors, frames, and closets.

<u>Spangdahlem</u> 24 1956 86.8 1,225 29,400 2,083.1 None

Narrative: Project will repair kitchens, bedrooms, bathrooms, living room balconies, hallways, and stairwells. Replaces electrical distribution, mechanical, ventilation, heating, water, and sewage systems. Replaces 110 volt system, TV antenna system, letter boxes, blinds, grating for basement windows and doors, sanitation systems, stairwell steps and railings, and doors. Provides repairs for landscaping and sidewalks.

The following projects were approved out-of-cycle in FY94:

Travis AFB CA The initial scope of the project was to repair three bathrooms. The scope of the work expanded to replace inadequate electric wiring, insulate the attic, carpet three bedrooms, texture and paint interior walls and renovate the garage for a total cost of \$19,577.

Langley AFB VA Maintenance and repair cost was originally \$12.8K for the highest unit. During paint removal, lead-based paint was encountered. The cost for removal and disposal of lead-based paint was \$5.7K per unit. As a result, the combined cost of \$18.5K exceeds the \$15K Maintenance and Repair threshold.

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# FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

## FY94 Out-of-Cycle Continued

Langley AFB VA Waiver was required because this project cost \$27K. The scope of work included repairing termite damage to the joists, studs, and sills. Due to unsafe condition of the units and to prevent any further damages, the maintenance and repair waiver to exceed the \$15K threshold was required.

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# GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Service to report any expenditures from the maintenance account which will exceed \$25,000 per unit.

The number of projects have increased significantly over previous years. This is primarily due to the growing number of units that are waiting on investment funding that must be repaired to continue occupancy of the unit. Since over 60 percent of the average investment project includes maintenance and repair actions we can cover some of the problems through the O&M program. While these projects are shown as a line item, the budget is formulated to an overall maintenance and repair requirement. The overall maintenance requirement is not effected by the number of projects requested over threshold.

The \$25,000 limit has been in effect since 1984 and should be increased to a reasonable limit considering the rate of inflation. We have traditionally held down the number of projects that were over the threshold for the Investment program. This will need to increase since the number of houses waiting for revitalization are increasing. Revising the maintenance limit with inflation would help keep the number of projects over threshold down.

Location	Qtrs <u>ID</u>	Size <u>NSF</u>	Year Built	Oper Total	Util Total	Maint Total	Ttl O&M	High :	Improvements Non-Routine (\$K FY90-94)
ALABAMA									
MAXWELL	336 334	3,484 3,426	1934 1934	1.0 1.0	3.0 3.0	46.0 46.0	50.0 50.0	46.0 46.0	12.2 26.6

Narrative: Existing roofs require repair. Tiles are broken, roof penetrations are leaking, and portions of decking have rotted.

#### COLORADO

AF	ACADEMY 6776	4.533	1930	. 2	1.570.0	71.7	70.0	None
4 17	ACADEMI OTTO	4,000	±200	• -	****	, + . ,	, , , ,	140116

Narrative: The project replaces 4000 SF of brick paver patio system at the superintendent's quarters. This quarters, also known as the Carlton house, is listed on the national register of historic places. The brick paver system requires replacement because the concrete slab underneath has cracked and heaved allowing the subbase to deteriorate, producing an uneven surface. In addition to being unsightly, the pavers now present a serious tripping hazard.

# GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

#### MARYLAND

ANDREWS 1508 2,704 1946 7.2 3.4 88.0 98.6 88.0 None

Narrative: Work includes applying an exterior insulation and finish system to CMU exterior of family housing residence. Replacement of windows with aluminum windows and existing roof with standing seam metal roof. Existing exterior construction consists of masonry walls which do not provide adequate insulation. Occupant experiences uncomfortable living conditions. In addition, the plain CMU exterior finish does not present a very aesthetic appearance for this General Officer's quarters. Windows are not thermal paned which allows for drafty conditions. Existing roof is leaking requiring continuous maintenance. This single GOQ is surrounded by VOQ cottages which are presently under contract for roof replacements and this project would allow architectural compatibility for this GOQ.

Location	Qtrs ID	Size NSF	Year Built	Oper Total	Util Total	Maint Total	Ttl O&M	High Cost	Improvements Non-Routine (\$K FY90-94)
TEXAS									
KELLY	108	4,763	1927	1.5	1.8	82.3	85.6	82.3	

Narrative: Remove lead based paint and paint exterior surface. The unit is eligible for registration on the National Historic Register. The surfaces are extremely weather-beaten, peeling, cracking, and flaking to the point that the lead-based paint is exposed and contaminating the soil around the unit.

## OVERSEAS

#### JAPAN

YOKOTA 691 2,554 1975 4.0 10.0 84.0 98.0 84.0 70.0

Narrative: Replaces functionally obsolete windows and sliding glass doors in the living, dining, and bedrooms. The project also increases the soundproofing of the unit which is located near the flightline. This will be accomplished with better sound rated windows and doors which will also increase the energy efficiency.

693 2,022 1975 4.0 10.2 68.2 82.4 68.2 75.0

Narrative: Replaces functionally obsolete kitchen with a modern kitchen layout.

# GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

KOREA

1975 5.0 1975 5.0 OSAN 437A 1,864 3.0 42.0 50.0 42.0 33.0 1065A 1,700 3.0 42.0 50.0 42.0 33.0

Narrative: Repair bathrooms, utilities/HVAC systems, stairwells, sliding doors, and related interior work. Repairs exterior walls, concrete patio, fences, and landscaping.

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

Reimbursement. Includes collections received from rental of Air Force family housing to foreign nationals, civilian and other personnel. Included in the estimate is the anticipated reimbursements due to members who separate voluntarily that are authorized to live in government quarters for up to six months after separation.

1.	FY 1995 Appropriation Conference Position:	\$1	1,139
2.	Congressional Adjustments:		None
3.	FY 1995 Appropriated Amount:	\$1	1,139
4.	Proposed Supplementals:		None
5.	Price Growth:		None
6.	Functional Program Transfers:		None
7.	Program Increases: Net Proceed from the sale of military family housing (including related land improvements)	\$	2,192
8.	Program Decreases:		None
9.	FY95 Current Estimate:	\$1	3,331
10.	Price Growth:	\$	387
11.	Functional Program Transfers:		None
12.	Program Increases:		None
13.	Program Decreases: Base Closure Drawdowns and Demolition (-5560 units)	\$	<del>-</del> 567
14.	FY 1996 Budget Request: (	\$1	3,151

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996/97 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

## Analysis of Changes in Reimbursements

Proceeds from the sale of Military Family Housing occured in FY94. In order to make the disbursement of \$2.2M from the proceed of the sale of the housing units, additional reimbursement authority is required in FY95.

With fewer houses to support, the reimbursement requirement is reduced. As a result of Round II Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffis AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory. March AFB (710 units) will be removed from inventory in FY96 as a result of Round III Base Closure.

# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

Leasing. Provides for payment of leasing costs of privately owned housing units for assignment as government quarters. The family housing leasing program provides housing at both domestic and foreign locations when the local economy cannot provide adequate support and the deficit of on-base housing also does not satisfy requirements. The leasing program is authorized by 10 U.S.C. 2828 and provides for payment of rent and operations and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities and refuse collection when these services are not part of the contract agreement.

The Air Force continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets and on-base housing cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. In high cost areas and overseas, the Air Force relies extensively on the leasing program to obtain housing to meet critical housing needs.

Authorization is requested for appropriation of \$115,665,000 to fund leases and related expenses in FY96. The FY 1996 request for family housing leasing points is summarized as follows:

- (1) 9,201 Foreign lease points
- (2) 5,800 Section 801 lease points
- (3) 3,333 Domestic lease points

## Foreign Leasing

Leasing in foreign countries is controlled by Congress. First by the number of lease points authorized, then by the review and approval of contract proposals, and finally by the funds appropriated. As overseas base closures occur, foreign leases are terminated as soon as economically possible. The Air Force is using approximately one-half of the authorized foreign lease points. Air Force strategy during the drawdown in Europe is to maximize the use of government-controlled assets thereby providing more affordable housing for our personnel and avoiding expensive off-base housing entitlements. The Air Force has been able to retain some housing areas from closing bases for use at bases that are remaining. In fact, the percentage of personnel able to reside in government controlled quarters is increasing.

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# DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED) Exhibit OP-5

As the Air Force draws down in Europe, the order of the release of housing assets is placed, where possible, as (1) private rentals (which are usually the most expensive), (2) GRHP and build-to-lease units, and (3) government owned. The exact mix of types of housing will depend upon available assets in each locality. Renewals for leases will be on a year-to-year basis to reduce cost by limiting termination liability. Full authorization is required to allow for sufficient flexibility during restructuring to maximize cost effective solutions.

The lease at Comiso Italy is a special case where repeated efforts by the Air Force to achieve a cost effective solution for termination of the lease have not yet been successful. Therefore, another annual lease payment of \$7.3 million is required even though a buy-out of the lease for \$9.5 million would be the most cost effective long-term solution by saving the U.S. \$4.1 million over the life of the contract. The appropriations conference allowed us to buy-out the lease within existing resources however the authorizations conference was silent on this issue.

#### Section 801 Leasing

This program is helping to reduce our CONUS family housing deficit at sites where Air Force families are seriously affected by housing shortages and high costs.

In FY 1984, Congress authorized testing a new leasing program for U.S. installations in P.L. 98-115, Section 801. Subsequently, nine housing projects were completed and occupied; Eielson AFB, AK, 300 units; Hanscom AFB, MA, 163 units; Goodfellow AFB, TX, 200 units; March AFB, CA, 200 units; Travis AFB, CA 300 units; Ellsworth AFB, SD, 200 units and 828 units; Hurlburt AFB, FL, 300 units; and Cannon AFB, NM, 350 units. The 307 units of the Eielson AFB project will be occupied by 1997. In addition, as part of a combined project with the Naval District of Washington, 828 units for Andrews AFB are scheduled for full occupancy by the 4th quarter of FY95.

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# DEPARTMENT OF THE AIR FORCE

## MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

# RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED) Exhibit OP-5

### Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, Onizuka's Domestic leasing project has provided interim relief for service families assigned to the San Francisco area pending transfer of Moffett NAS housing of the Air Force. This has been an excellent transition procedure to support families in a high cost area while preparing for long term solutions with the transfer of Moffett housing to the Air Force.

Congress has authorized leasing of domestic units (10 U.S.C. 2828) on a temporary basis to satisfy critical requirements until a permanent solution can be found or if more economical than construction.

1.	FY 1995 Appropriation Conference Position:	\$1	12,757
2.	Congressional Adjustments:		None
3.	FY 1995 Appropriated Amount:	\$1	12,757
4.	Proposed Supplementals:		None
5.	Price Growth:		
6.	Functional Program Transfers:		None
7.	Program Increases:		None
8.	Program Decreases:		None
9.	FY95 Current Estimate:	\$1	12,757
10.	Price Growth:	\$	3,270
11.	Functional Program Transfers:		None

# RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED) Exhibit OP-5

- 12. Program Increases:
  Mission adjustment from realignments \$ 6,729
  primarily Singapore, partial occupancy of
  the Eielson and Andrews AFB Section 801 Leases
- 13. Program Decreases:
  Number of Leases, Domestic and Foreign -\$ 7,091
  reduced by actual amounts due to changes
  in Lease agreements
- 14. FY 1996 Budget Request: \$115,665

### Analysis of Change in Leasing

The attached Leasing charts reflect changes to the program by locations and type of lease. These requirements are a direct result of changes to mission beddowns and other housing needs.

## FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE ANALYSIS OF LEASED UNITS (Other than Section 801)

LOCATION	110070	FY 94			FY 95			FY 96	
(OAC)	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	COST (\$000)	UNITS AUTH	LEASE MONTHS	(\$000)
DOMESTIC LEASES									
Los Angeles, CA (47)	60	660	\$746	55	660	\$686	55	660	\$68
Los Angeles, CA/AFRTS (47)	10	180	\$120	15	180	\$180	15	180	\$18
Harrison, Ar (78)	24	288	\$162	37	444	\$286	40	480	1
Holbrook, Az (78)	25	300	\$88	0	0	\$0	0	480	\$31
Moody AFB, GE (78)	73	876	\$468	70	840	\$553	64	768	
Shaw AFB, SC (78)	86	1,032	\$840	80	980	\$874	50	600	\$51
Onizuka, Ca (83)	67	804	\$124	0	0	\$0	0	0	\$54
Unassigned	2,988	0	\$0	3,076	o i	\$0	3,109	0	\$
TOTAL DOMESTIC LEASES	3,333	4,140	\$2,548	3,333	3,104	\$2,579	3,333	2,688	\$2,23
OREIGN LEASES									
Jordan (43)	2	24	\$38	2	24	\$40	2	24	\$4
Cairo, Egypt (51)	3	36	\$33	3	36	\$44	3	36	\$10
Nairobi, Kenya (51)	1	12	\$22	1	12	\$24	1	12	\$5
Asmara, Eritea (51)	1	12	\$20	1	12	\$23	1	12	\$2
Bangkok (53)	7	84	\$142	7	84	\$150	7	84	\$15
Classified Location (53)	3	36	\$103	3	36	\$108	3	36	\$11
Lajes (78)	1	12	\$8	1	3	\$2	o	0	\$
Oson (74)	276	3,312	\$3,328	276	3,312	\$3,573	276	3,312	\$3,61
Singapore (74)	0	0	\$0	0	0	\$0	120	1,440	\$3,85
Alconbury (80)	250	3,000	\$2,510	250	3,000	\$2,617	250	3,000	\$2,61
Ankara (80)	44	528	\$698	32	384	\$521	32	384	\$52
Aviano (80)	657	5,445	\$5,156	857	8,970	\$9,058	857	9,873	\$9,14
Bentwaters (80)	293	3,516	\$3,784	293	3,516	\$3,794	293	3,516	\$3,79
Comiso (80)	460	5,520	\$14,728	460	5,520	\$7,383	460	5,520	\$7,30
Geilenkirchen (80)	1	12	\$27	1	12	\$27	1	12	\$2
Incirlik (80)	110	230	\$891	110	1,320	\$2,332	110	1,320	\$2,33
Izmir (80)	10	114	\$349	10	120	\$309	10	120	\$30
Kalkar (80)	36	432	\$724	36	432	\$697	36	432	\$69
Lakenheath (80)	1,065	12,780	\$10,297	1,065	11,540	\$10,287	1,065	11,440	\$9,52
Stavenger (80)	1	12	\$82	1	12	\$90	1	12	\$9
Paris (80)	1	12	\$35	0	0	\$0	0	0	\$
Ramstein (80)	522	6,281	\$6,193	521	5,232	\$6,125	521	5,082	\$5,35
Rhein Main (80)	376	4,311	\$3,706	225	2,700	\$3,540	226	2,490	\$2,81
Rome (80)	0	0	\$0	0	0	\$0	0	0	\$
San Vito (80)	150	1,800	\$2,487	150	1,800.	\$2,400	150	1,800	\$2,40
Soesterberg (80)	180	2,280	\$2,417	0	0	\$0	0	o	\$
Spangdahlem (80)	500	6,000	\$6,164	500	6,000	\$6,240	500	6,000	\$6,24
Upper Heyford (80)	50	600	\$715	50	600	\$692	50	600	\$69
Ascension (83)	1	12	\$18	1	12	\$18	1 [	12	\$1
Copenhagen (83)	4	48	\$31	4	48	\$27	4	48	\$2
Seychelles (83)	2	24	\$40	2	24	\$40	2	24	\$4
Unassigned	4,212	٥	\$0	4,357	0	\$0	4,236	0	\$
Estimated Termation Costs	0	0	0	0	О	0	О	0	
Soesterberg (80)	0	0	\$0	0	0	\$333	0	0	
OTAL FOREIGN LEASES	9,201	56,269	\$64,380	9,201	54,554	\$60,103	9,201	56,437	\$61,42
RAND TOTAL FH-4	12,534	60,409	\$66,928	12,534	57,658	\$62,682	12,534	59,125	\$63,65

Exhibit FH-4

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE ANALYSIS OF HIGH COST LEASED UNITS (Other then Section 801)
FY 1996 and FY 1997

	2000												
	1736												
A CHACO	LOI AL		FY94			FY95			FY96			FY97	
NO. POST	LEASES	HGH	HGH	EST	HIGH	HIGH	EST	HIGH	HIGH	EST	HIGH	HIGH	FST
	Let	COST	cost		COST	COST		COST	COST		COST	COST	; }
	Country	UNITS	Defined	COST	UNITS	Defined	COST	UNITS	Defined	COST	CNITS	Defined	COST
DOMESTIC LEASES													
Los Angeles, Ca		15	12,000	208,000	15	12,000	207,060	15	12.000	208 100	Ť,	12,000	000
None Over \$14K per Yaar		67	t to	142,000	0 (	to	0	0	ţ	0	0	to to	000,502
Sub-Total Domestic	224	6	30,		٥	14,000		٥	14,000		0	14,000	
	477	70		348,000	12		207,060	15		208,100	15	*	209,000
FOREIGN LEASES						- <del></del>							
*Gailenkirchen, Germany	1,283	-	25,590	27,000	-	23.953	27 000		22 052	000	•		
*Izmir, Turkey	164	-	2,988	35,900	-	1.071	31.785	•	1 071	27,000	- •	23,953	27,000
	164	-	2,968	64,773	-	1,071	57,350	-		57.250	- •	1,0,1	31,785
	164	-	2,968	63,600	-	1,071	56.310	-	, 6	56.310	•	1,0,1	57,350
	164	-	2,968	39,850	-	1,071	35,110	-	1071	35,110	- •	5,0	56,310
	164	-	2,968	38,300	-	1,071	33,910	-	1.071	33 910		1,0,1	35,110
Izmir, lurkay	164	_	2,968	22,700	-	1,071	20,100	_	1,071	20,100		2,0	33,910
femir, lurkey	164	- 1	2,968	22,900	-	1,071	20,272	-	1,071	20,272	_	107	20,100
	40 5	_ •	2,968	22,400	_	1,071	19,830	-	1,071	19,830	-	1.071	19.830
*Oslo, Norway	0	- c	2,968	38,777	- (	1,071	34,333	-	1,071	34,333	-	1,071	34.333
**Stavander Norwey	·	٠ ٠	400,	41,000	<del>-</del>			0			0		
Sambewang, Singanore	_	-	488,	41,000	_	20,080	90,000	-	20,080	90,000	-	20,080	90,000
+++Paris, Frence	-	N/N	N/N	35,000	× ×			120		3,857,000	120		4,059,000
***Copenhagen, Denmark	4	N/A	( A	25,000	<b>4</b>	<b>4</b>	0 00 0	<b>V</b>	<b>∀</b> :	0	۷/۷	A/A	0
***Aman, Jordan	7	A/X	X X	38.000	( A		27,000	4 ×	<b>∀</b> :	27,000	A/A	۷/۷	27,000
***Asmara, Eritea	-	A/N	A/N	35,000	X X	2	23,000	<b>4</b>	۷ <u>۲</u>	43,000	۷ ۷	۷ ۷	46,000
***Cairo, Egypt	ო	A/N	A/N	102,000	¥ ×	( A	109,000	{	<b>4</b>	23,000	<b>∀</b> :	۷ ۲	23,000
***Nairobi, Kenya	2	Ø/N	δ/X	22,000	۷/X		000,00	<b>X X X X X X X X X X</b>	<b>4</b> :	000,801	۷ ۷	۷ ک	109,000
***8angkok, Thailend	7	Ø/N	Ø/Z	142.000	Δ/N	( V	20,000	<b>X X X X X X X X X X</b>	<b>4</b> /2	000,00	∢ ×	۷ X	50,000
Classifiad Location	က	A/A	A/N	103,000	N N	( A	108,000	¥	4 4	156,000	٧\ <u>٧</u>	۷ X	162,000
Sub-Totel Foreign	<u></u>	-		0000 996	-		000,000		2	114,000	A/A	۷ ۲	120,000
					:		933,000	13.		4,805,000	131		5,022,000
GRAND TOTAL FH-4A		93	N/A	1,314,000	26	A/A	1,140,060	146	A/A	5.013 100	146	2	
									1		0+1	W/W	5,231,000

Tha HIGH COST domestic leases renge between \$12k and \$14k per year. No domestic lease exceeds \$14K per yeer.

Leases \* The adjusted cost cap for oversees leases is determined by multiplying \$20k times the FY 88 exchenge rate divided by the FY 96 exchenge rate. exceeding this cep are defined as HIGH COST and ere counted egeinst tha number of high cost leeses allowed.

<sup>\*\*</sup> Oslo lease moved to Stevanger in mid FY94

<sup>•••</sup> State Department pool leeses do not count against the totel numbar of high cost leeses ellowad.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE SECTION 801 FAMILY HOUSING SUMMARY (Dollars In Thousands)

FY 1996

		FY OF	DATE	DATE OF					
	NO. OF	INITIAL	OF	FULL	FY94	FY95	FY95	FY96	FY96
LOCATION	UNITS	АПТН	AWARD	OCCUP	COSTS	UNITS	COSTS	UNITS	COSTS
A M G G G G G G G G G G G G G G G G G G	9	200	1 0 1	ļ					
nanscom Arb, IVA	501	FY84	SEP 85	001.87	\$2,812	163	\$3,183	C 0 F	\$2,834
Goodfellow AFB, TX	200	FY86	SEP 86	JAN 88	\$1,881	200	\$2,131	200	\$2.155
Andrews AFB MD	828	FY90	SEP 91	SEPT 95	\$409	828	\$7,952	828	\$10.417
Hurlburt AFB FL	300	FY90	06 NNC	JUL 92	\$3,224	300	\$3,399	300	\$3.275
March AFB, CA	200	FY86	NOV 87	NOV 88	\$1,723	200	\$1,656	200	\$1.056
Travis AFB, CA	300	FY88	SEP 89	AUG 91	\$4,028	300	\$4,058	300	\$4.058
Eielson AFB, AK	300	FY84	JAN 85	JUL 86	\$4,830	300	\$5,065	300	\$4.901
Eielson AFB, AK	366	FY91	SEP 91	AUG 97	\$71	158	\$4,262	280	\$6.241
Ellsworth AFB (2), SD	828	FY88	AUG 89	10 NUC	\$10,350	828	\$10,413	828	\$10.413
Ellsworth AFB, SD	200	FY88	98 NUL	JUL 90	\$2,284	200	\$2,590	200	\$2,590
Cannon AFB, NM	320	FY88	10 NOC	AUG 93	\$3,733	350	\$4,066	350	\$4.066
SIOH Estimate/Maintenance							\$1,300		
ANNUAL REQUIREMENT	4,035	A/A	N/A	N/A	\$35,345	3,827	\$50,075	3,949	\$52.006
Unused Lease Points	1,765				\$0	1,973	0\$	1,851	0\$
GRAND TOTAL FH-5	5,800	N/A	N/A	N/A	\$35,345	5,800	\$50,075	5,800	\$52.006

229 UNITS have been delivered by the end of Jan 95; projected delivery includes 65 UNITS, Feb 95; 104 UNITS, May 95; 88 UNITS, JUN 95; 84 UNITS, July 95; 56 UNITS, AUG 95; and 202 UNITS, Sept 95; which delivers the last of the 828 UNITS. ANDREWS SCHEDULE

30 UNITS, JUNE 95; 37 UNITS, AUG 95 and 91 UNITS, SEPT 95 for 158 UNITS in FY 95; 24 UNITS, OCT 95; 35 UNITS, NOVEMBER 95; 36 UNITS, MARCH 96; 27 UNITS, AUG 95 for 280 UNITS in operation in FY 96; 35 UNITS, JAN 97; 35 UNITS, MARCH 97; and 16 units in AUG 97 for ALL 366 UNITS operating by end of FY 97. EIELSON SCHEDULE

## DEBT PAYMENT

Program (in Thousands) FY 1996 Program \$29

#### Purpose and Scope

The Debt Payment program continues in FY 1996/97 in name only, as the last of the Capehart and Wherry mortgages were liquidated in FY 1989.

This program includes payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel prior to FY 1980.

#### Program Summary

Authorization is requested for the appropriation of \$29,000 for FY96:

(\$ In Thousands)	FY 1995 ESTIMATE	FY 1996 ESTIMATE
Servicemen's Mortgage Insurance Premiums	26	29
TOTAL OBLIGATING AUTHORITY (TOA)	26	29
Principal Payment		
Capehart	0	0
Wherry	0	0
Subtotal	0	0
TOTAL REQUIREMENTS (BUDGET		
AUTHORITY PLUS APPROPRIATION):	26	29

DING QUARRY A.... A L. . .

#### Servicemen's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums, Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and their families through a system of FHA mortgage insurance especially designed to assist such members in financing the construction or purchase of homes.

This program was discontinued through Public Law 93-130 (Military Construction Appropriation Act, 1980) which allowed coverage only on existing mortgages covered prior to FY 1980. The amount needed to continue funding premiums on mortgages existing prior to FY 1980 continues to decrease. The program for FY 1995 and FY 1996 is as follows:

Fiscal Year	Number	Average Payment/YR	Amount (\$000)
1995	143	182	26
1996	160	182	29